Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028207.D
Acq On : 10 Oct 2023 21:05
Operator : MA/JU
Sample : 04693-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Quant Time: Oct 11 02:34:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.922	152	3875	0.400	ng		0.00
7) Naphthalene-d8	10.735	136	12130	0.400	ng		0.00
13) Acenaphthene-d10	14.566	164	7284	0.400	ng		0.00
19) Phenanthrene-d10	17.319	188	12957	0.400	ng		0.00
29) Chrysene-d12	21.515	240	16130	0.400	ng		# 0.00
35) Perylene-d12	23.981	264	16798	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.466	112	3556	0.308	ng		0.00
5) Phenol-d6	7.084	99	4218	0.289	ng		0.00
8) Nitrobenzene-d5	9.123	82	3151	0.305	ng		0.00
11) 2-Methylnaphthalene-d10	12.317	152	4991	0.278	ng		0.00
14) 2,4,6-Tribromophenol	16.065	330	977	0.293	ng		-0.01
15) 2-Fluorobiphenyl	13.186	172	7106	0.271	ng		0.00
27) Fluoranthene-d10	19.356	212	9238	0.284	ng		0.00
31) Terphenyl-d14	19.941	244	9753	0.259	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.350	88	1666	0.383	ng	#	70
3) n-Nitrosodimethylamine	3.704	42	2014	0.404	ng		96
6) bis(2-Chloroethyl)ether	7.358	93	4768	0.406	ng		99
9) Naphthalene	10.789	128	204398	6.522	ng		98
10) Hexachlorobutadiene	11.002	225	2212	0.397	ng	#	100
12) 2-Methylnaphthalene	12.392	142	172133	7.851	ng		99
16) Acenaphthylene	14.288	152	459727	14.247	ng		99
17) Acenaphthene	14.630	154	58729	2.855	ng		96
18) Fluorene	15.606	166	219481	8.216	ng	#	94
20) 4,6-Dinitro-2-methylph...	16.772	198	1152	6.689	ng	#	15
21) 4-Bromophenyl-phenylether	16.499	248	2743	0.406	ng	#	88
22) Hexachlorobenzene	16.586	284	3022	0.426	ng	#	84
23) Atrazine	16.772	200	2561	0.434	ng	#	85
24) Pentachlorophenol	16.959	266	13161	3.942	ng		94
25) Phenanthrene	17.368	178	1735956	49.696	ng		99
26) Anthracene	17.455	178	520821	15.774	ng	#	92
28) Fluoranthene	19.388	202	1367692	33.926	ng		99
30) Pyrene	19.755	202	1918243	32.432	ng		98
32) Benzo(a)anthracene	21.497	228	903106	16.454	ng		98
33) Chrysene	21.551	228	794628	15.023	ng		97
34) Bis(2-ethylhexyl)phtha...	21.372	149	13655	0.378	ng	#	84
36) Indeno(1,2,3-cd)pyrene	26.574	276	410018	7.257	ng		98
37) Benzo(b)fluoranthene	23.221	252	764975	14.100	ng	#	89
39) Benzo(a)pyrene	24.037	252	146263	2.851	ng		95
40) Dibenzo(a,h)anthracene	26.580	278	136135	2.945	ng		98
41) Benzo(g,h,i)perylene	27.387	276	433713	9.142	ng		95

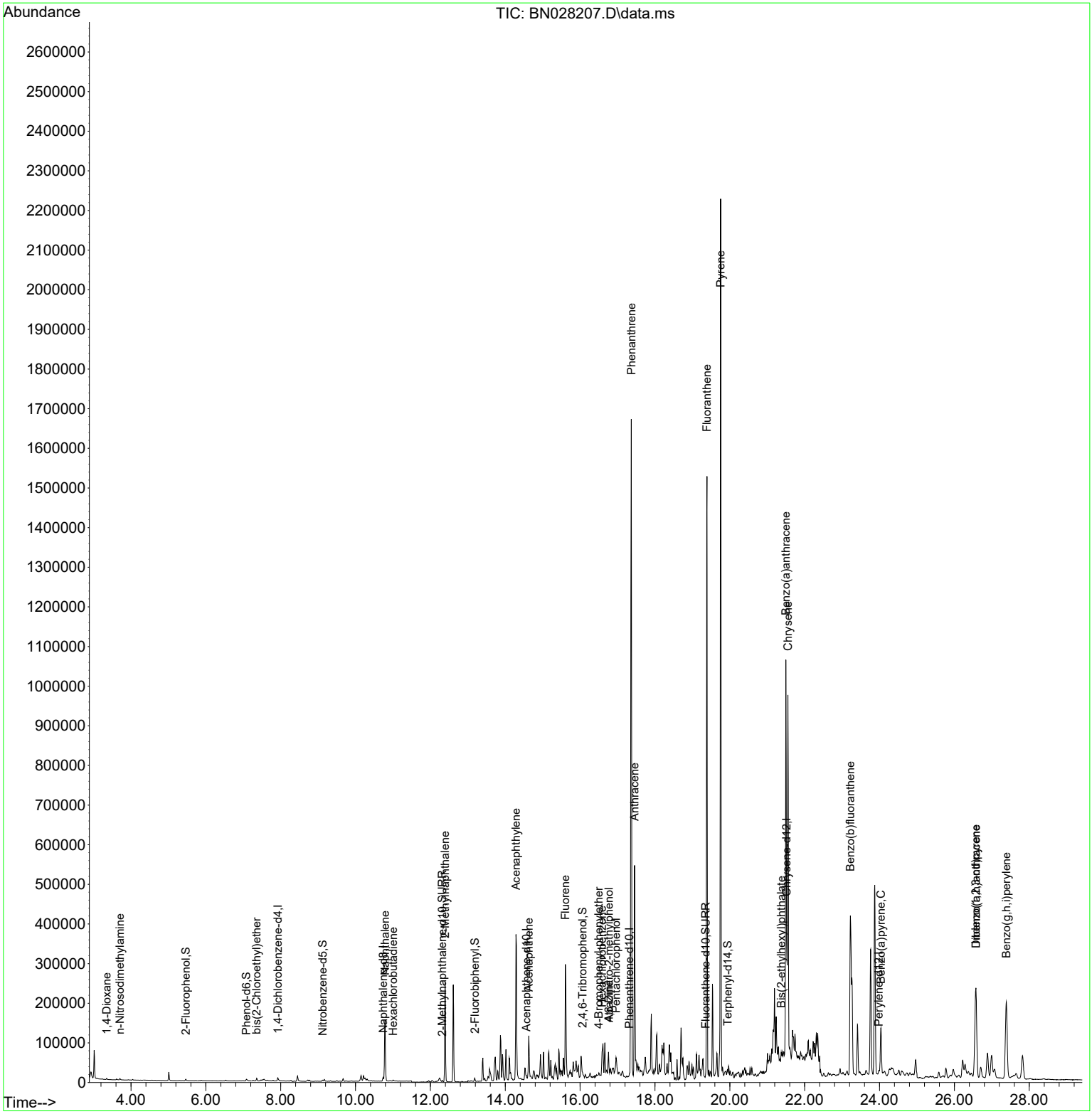
(#) = qualifier out of range (m) = manual integration (+) = signals summed

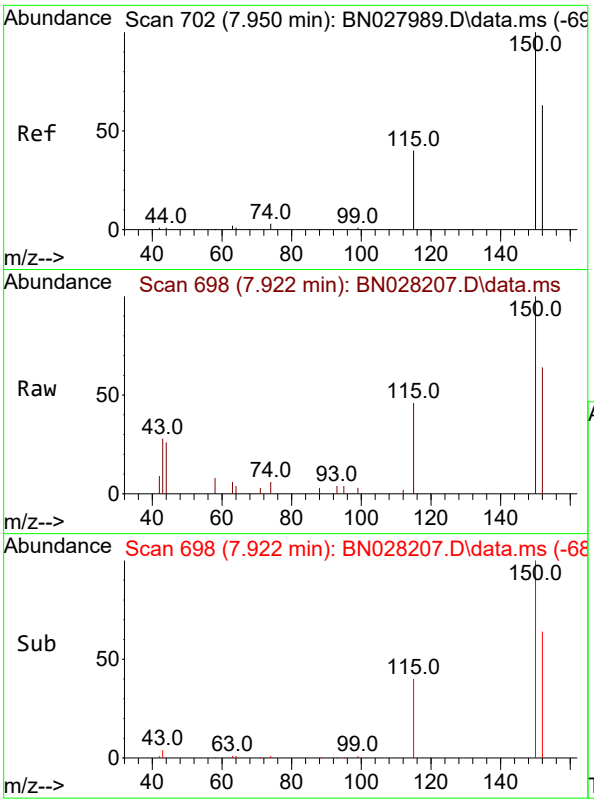
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028207.D
Acq On : 10 Oct 2023 21:05
Operator : MA/JU
Sample : 04693-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Quant Time: Oct 11 02:34:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
Response via : Initial Calibration



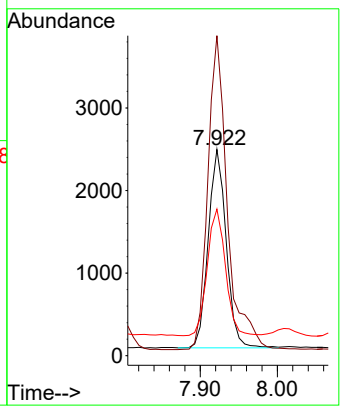


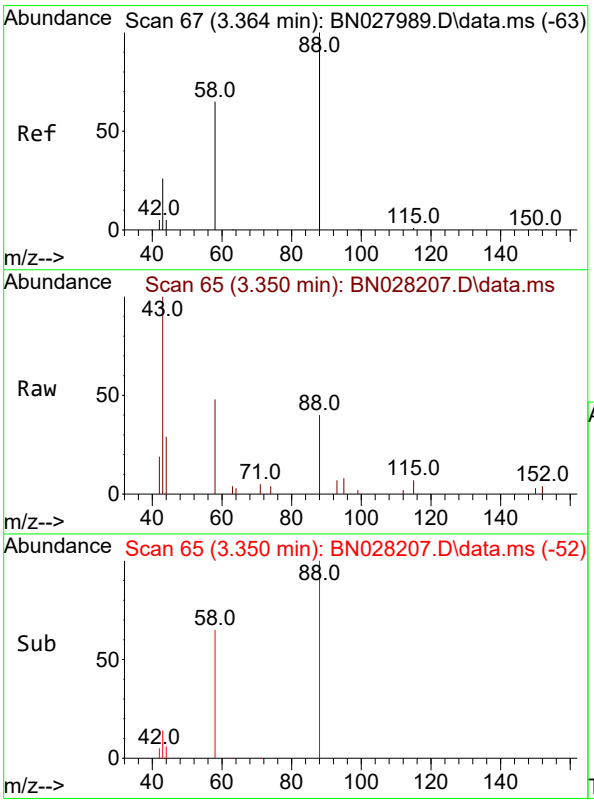
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:152 Resp: 3875

Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.6	188.4
115	71.0	54.8	82.2

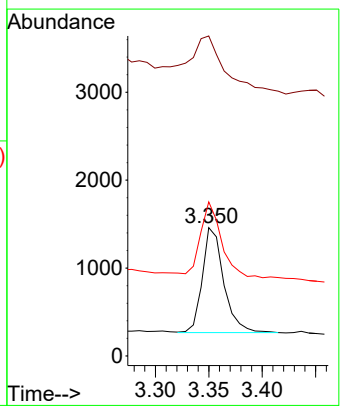


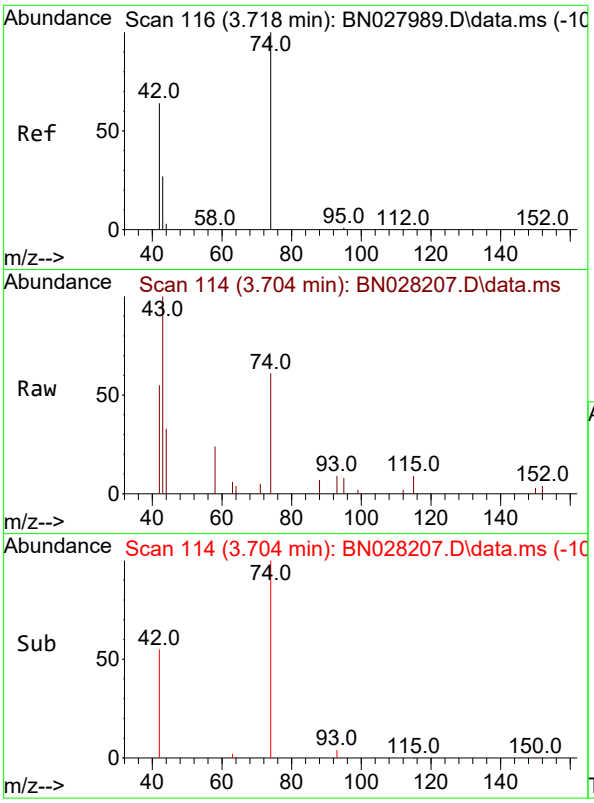


#2
1,4-Dioxane
Concen: 0.383 ng
RT: 3.350 min Scan# 65
Delta R.T. -0.007 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion: 88 Resp: 1666

Ion	Ratio	Lower	Upper
88	100		
43	78.8	24.6	36.8#
58	70.3	53.8	80.6



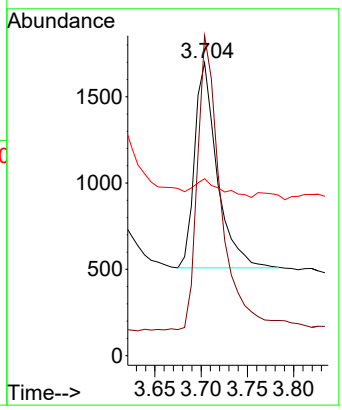


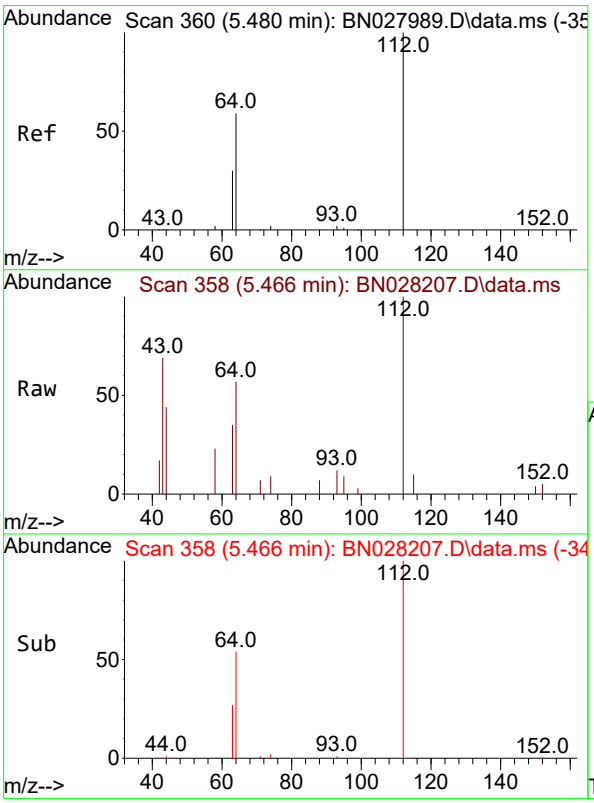
#3
n-Nitrosodimethylamine
Concen: 0.404 ng
RT: 3.704 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion: 42 Resp: 2014

Ion	Ratio	Lower	Upper
42	100		
74	150.3	115.9	173.9
44	10.2	8.0	12.0

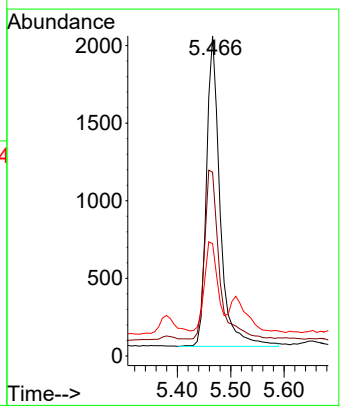


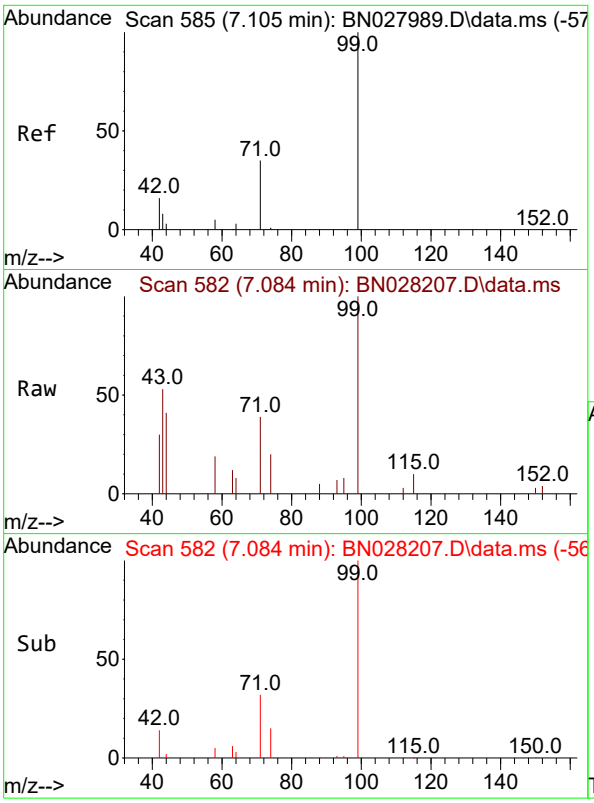


#4
2-Fluorophenol
Concen: 0.308 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:112 Resp: 3556

Ion	Ratio	Lower	Upper
112	100		
64	58.7	45.0	67.6
63	27.4	23.4	35.0



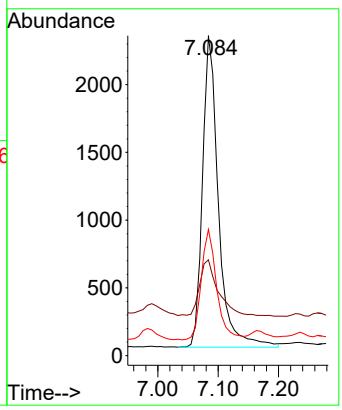


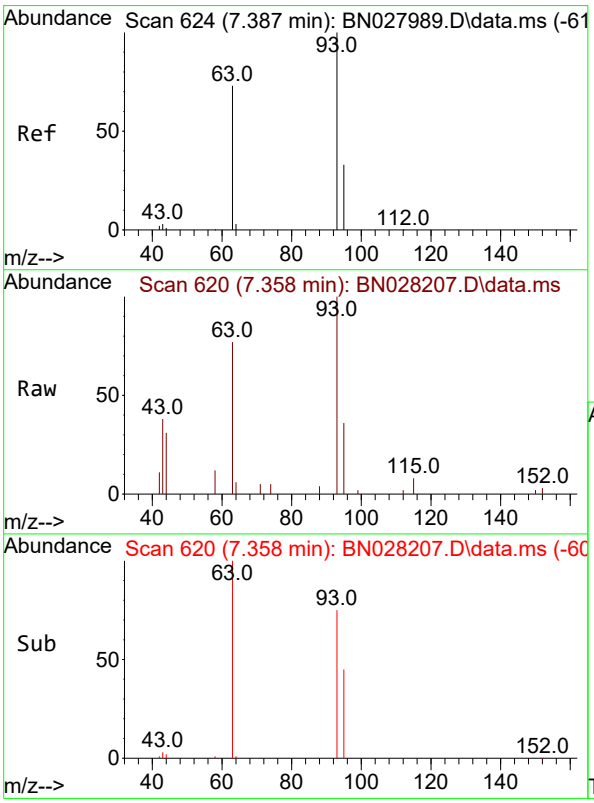
#5
Phenol-d6
Concen: 0.289 ng
RT: 7.084 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion: 99 Resp: 4218

Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.6	22.0
71	34.3	28.3	42.5

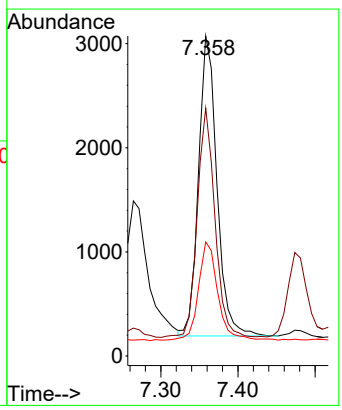


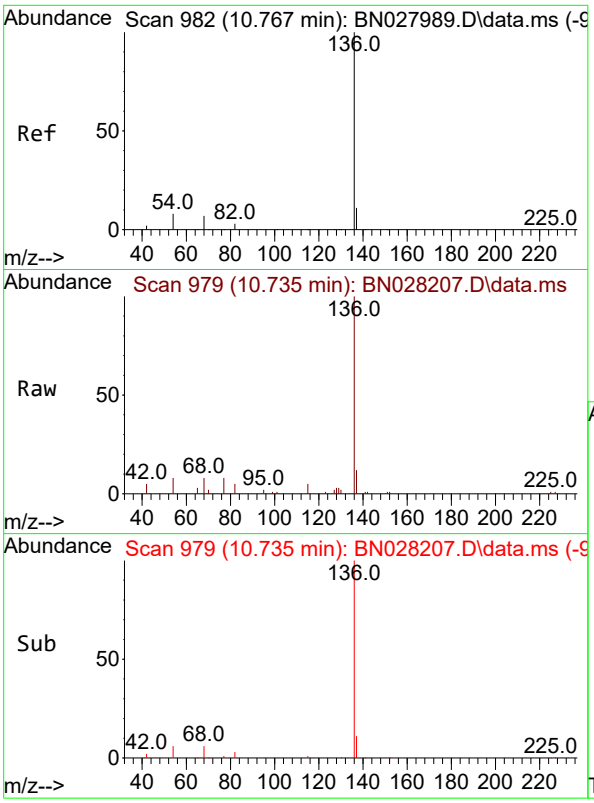


#6
bis(2-Chloroethyl)ether
Concen: 0.406 ng
RT: 7.358 min Scan# 620
Delta R.T. -0.007 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion: 93 Resp: 4768

Ion	Ratio	Lower	Upper
93	100		
63	73.8	58.8	88.2
95	35.2	26.6	39.8



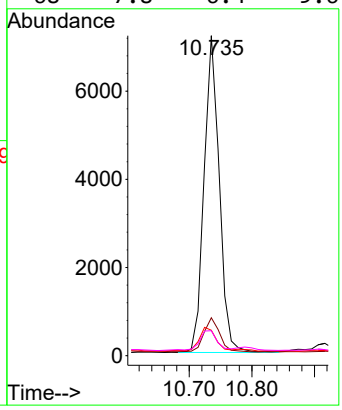


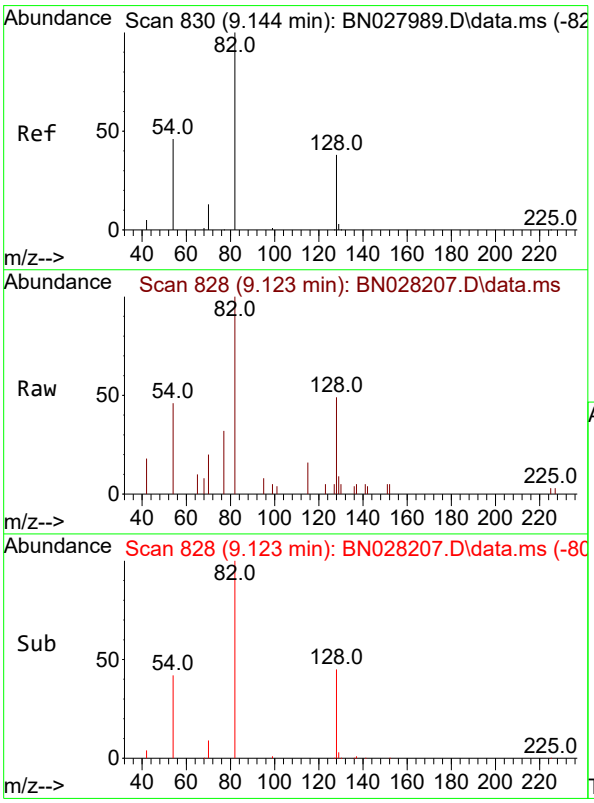
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:136 Resp: 12130

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.4	14.0
54	8.0	7.0	10.6
68	7.8	6.4	9.6

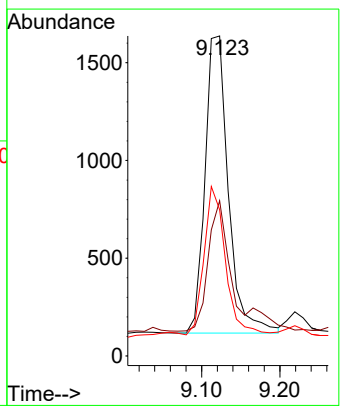


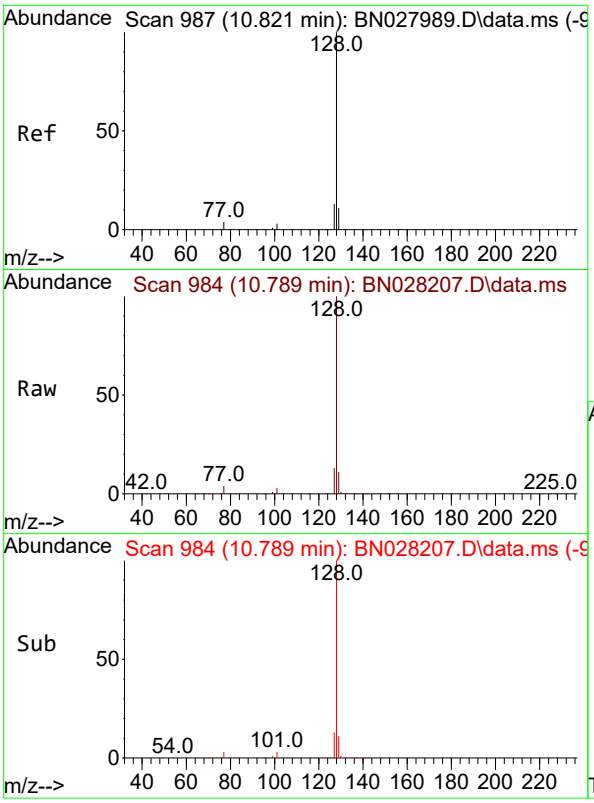


#8
Nitrobenzene-d5
Concen: 0.305 ng
RT: 9.123 min Scan# 828
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion: 82 Resp: 3151

Ion	Ratio	Lower	Upper
82	100		
128	48.5	32.7	49.1
54	45.7	38.7	58.1



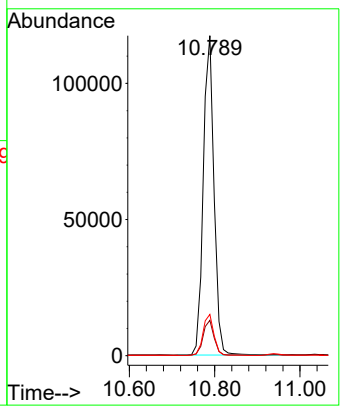


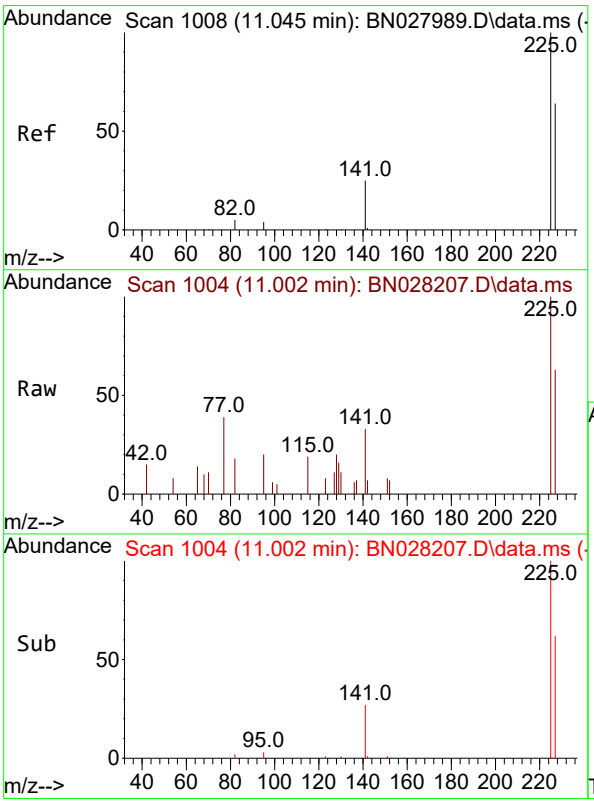
#9
Naphthalene
Concen: 6.522 ng
RT: 10.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:128 Resp: 204398

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.4	14.2
127	12.9	10.9	16.3

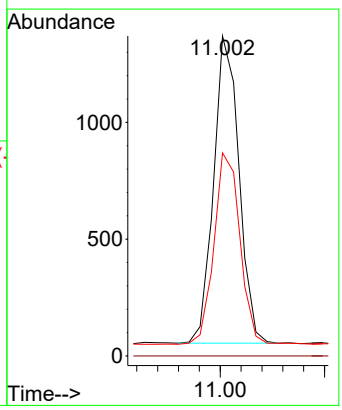


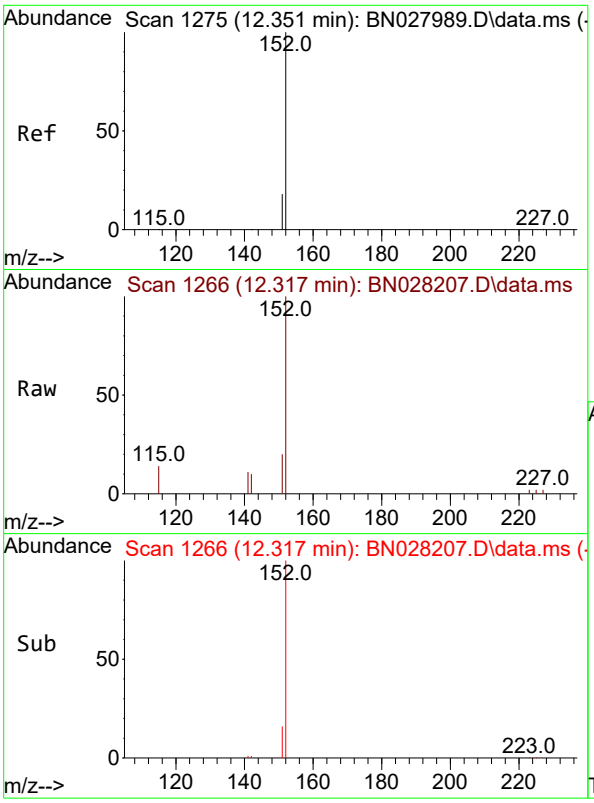


#10
Hexachlorobutadiene
Concen: 0.397 ng
RT: 11.002 min Scan# 1004
Delta R.T. -0.011 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:225 Resp: 2212

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.3	76.9



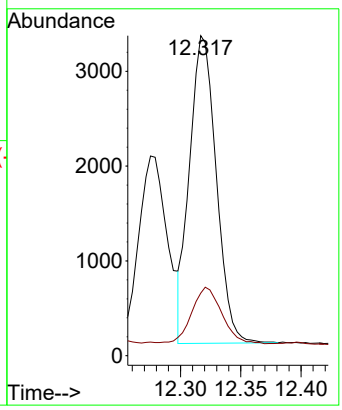


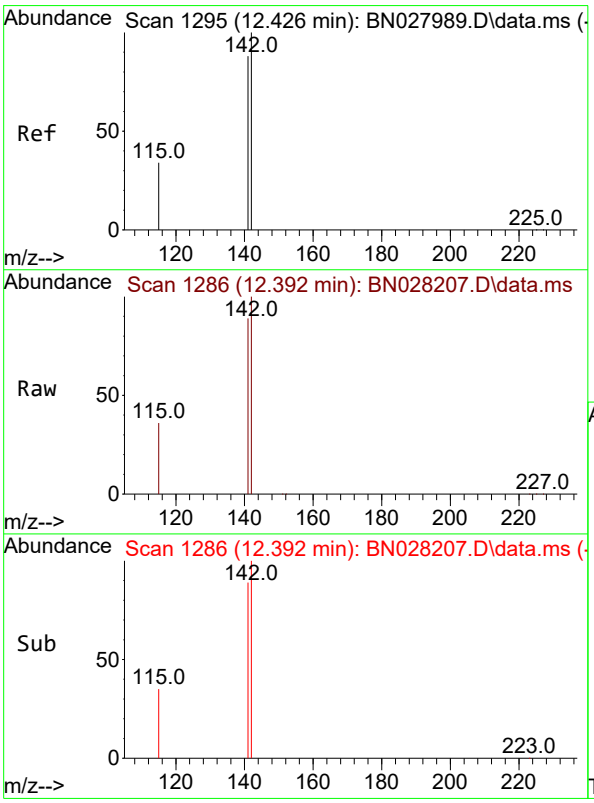
#11
2-Methylnaphthalene-d10
Concen: 0.278 ng
RT: 12.317 min Scan# 1
Delta R.T. -0.008 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:152 Resp: 4991

Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.5	24.7

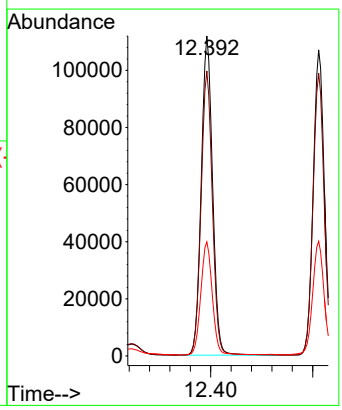


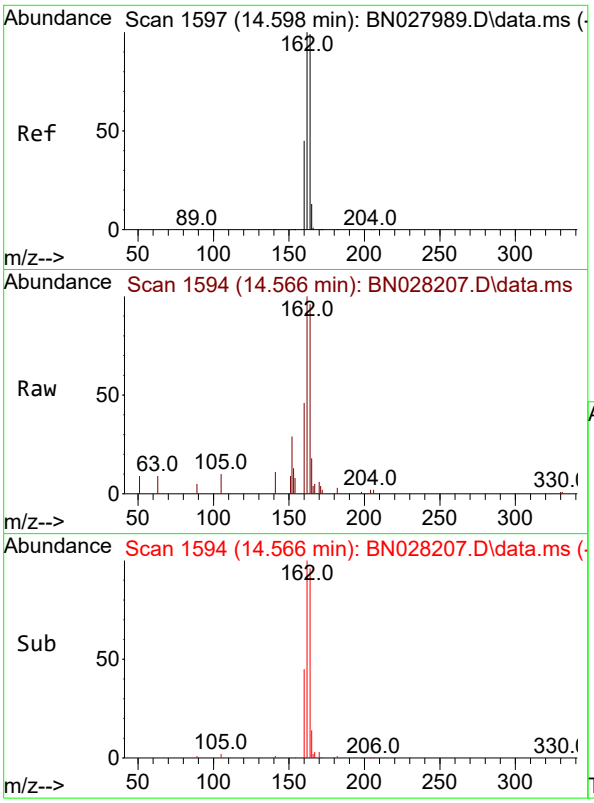


#12
2-Methylnaphthalene
Concen: 7.851 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:142 Resp: 172133

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.7	106.1
115	35.7	28.6	42.8



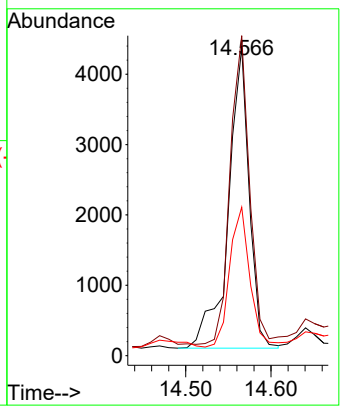


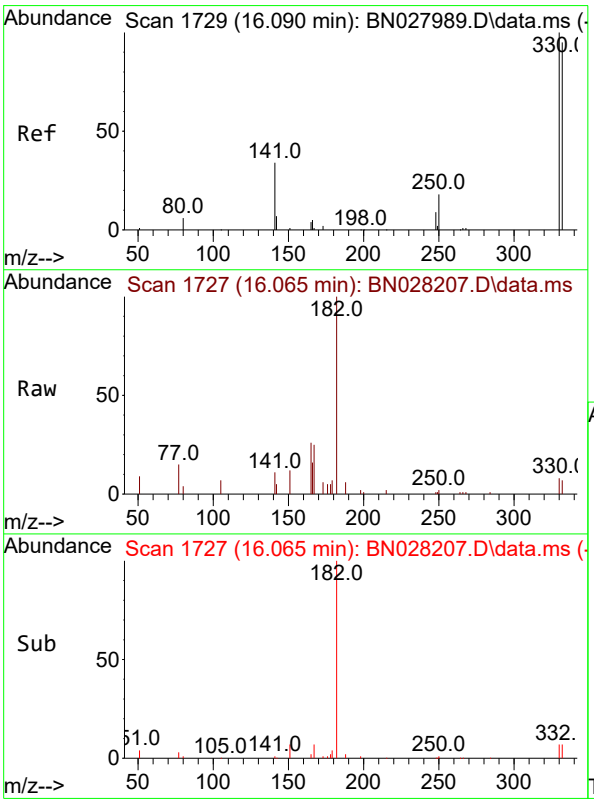
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:164 Resp: 7284

Ion	Ratio	Lower	Upper
164	100		
162	103.8	80.8	121.2
160	48.2	36.4	54.6

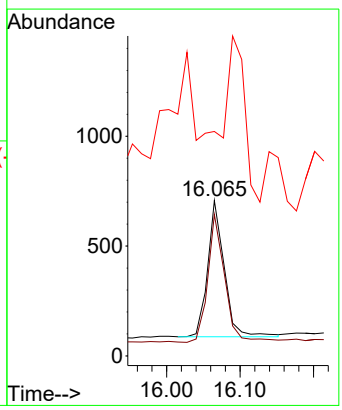


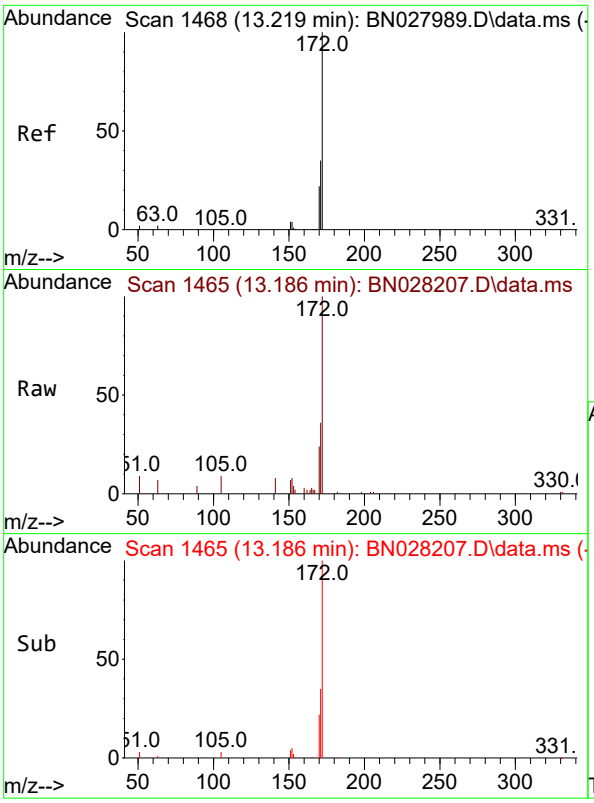


#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:330 Resp: 977

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.1	117.1
141	0.0	33.4	50.2#



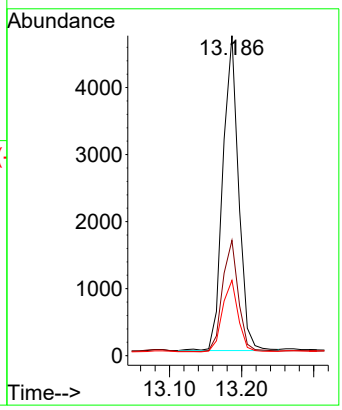


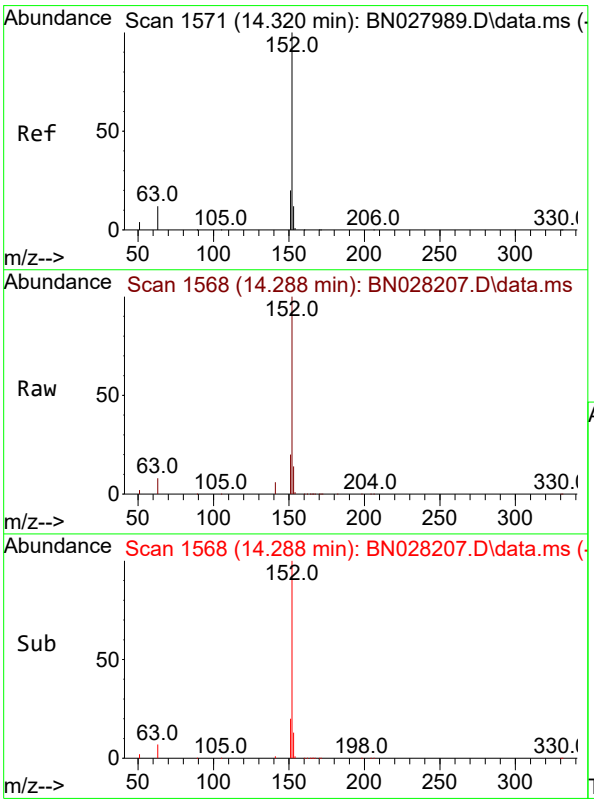
#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 13.186 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:172 Resp: 7106

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.1	42.1
170	23.5	18.4	27.6

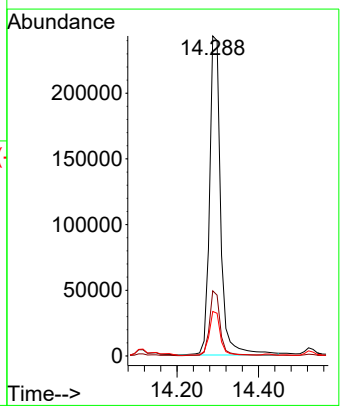


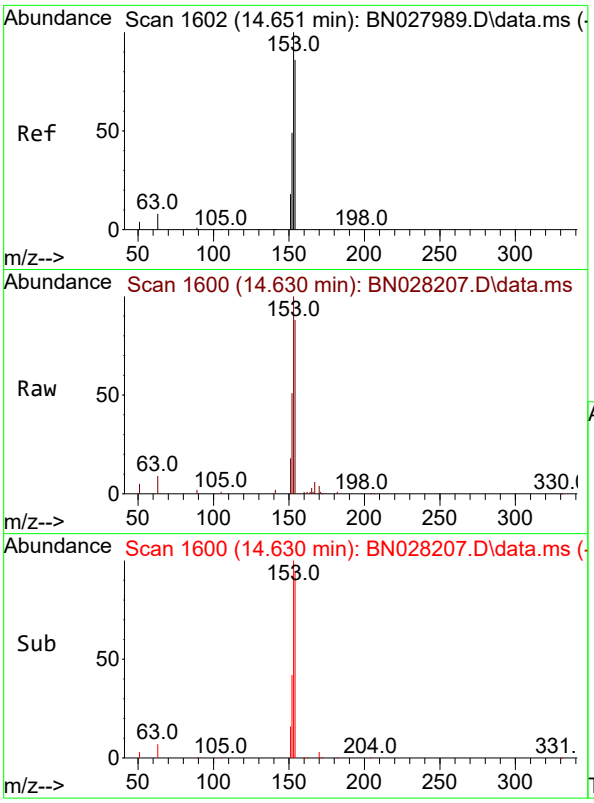


#16
Acenaphthylene
Concen: 14.247 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:152 Resp: 459727

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.9	10.2	15.4



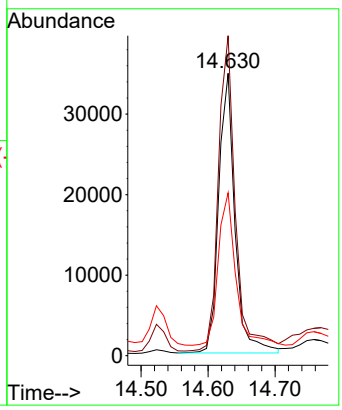


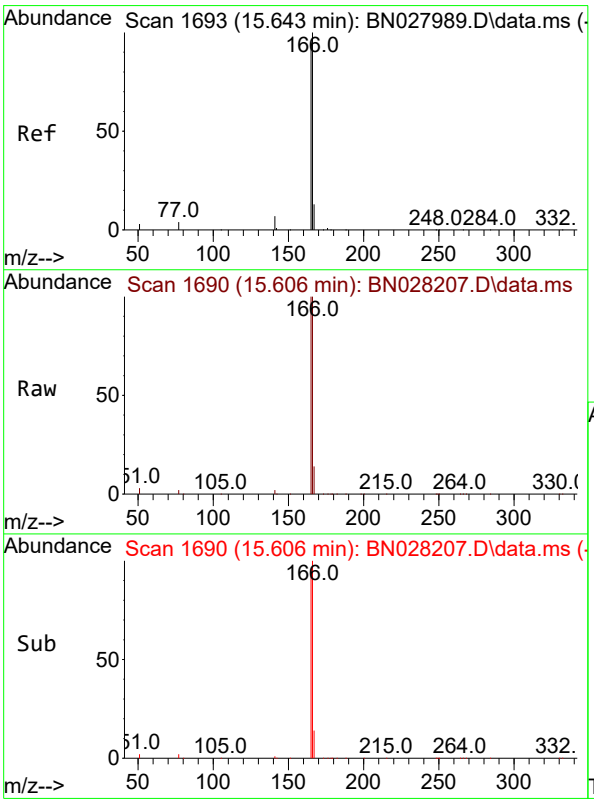
#17
Acenaphthene
Concen: 2.855 ng
RT: 14.630 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:154 Resp: 58729

Ion	Ratio	Lower	Upper
154	100		
153	117.7	90.8	136.2
152	58.1	43.9	65.9

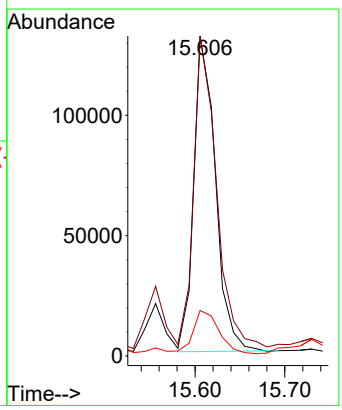


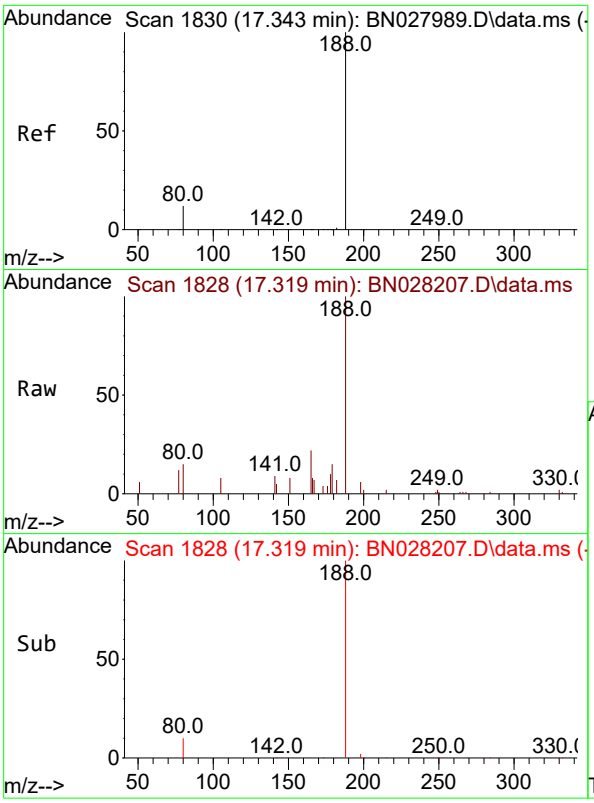


#18
Fluorene
Concen: 8.216 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:166 Resp: 219481

Ion	Ratio	Lower	Upper
166	100		
165	102.3	77.8	116.8
167	17.5	10.7	16.1#



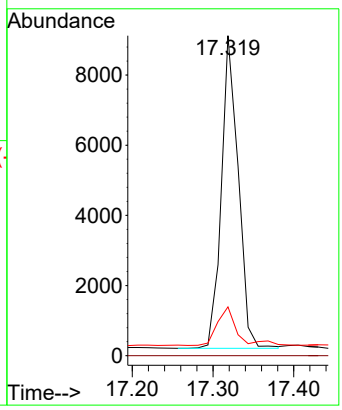


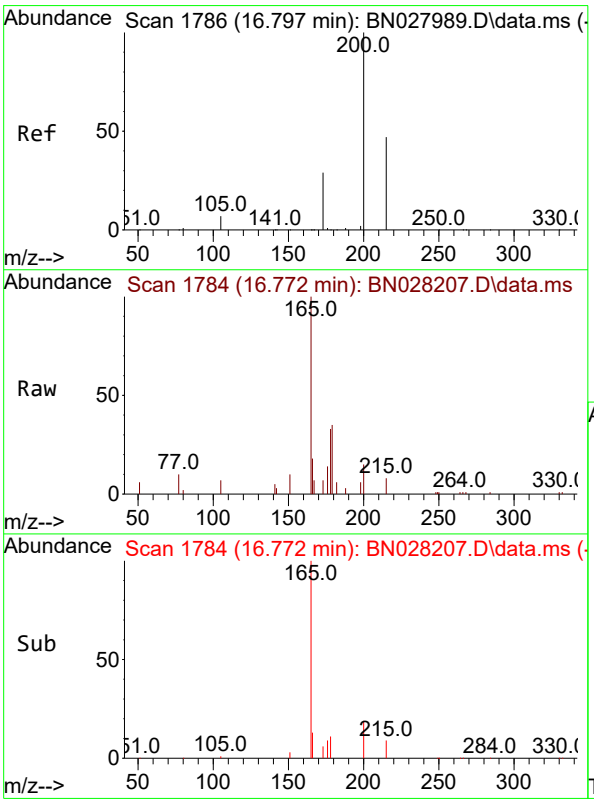
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:188 Resp: 12957

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.3	10.2	15.4

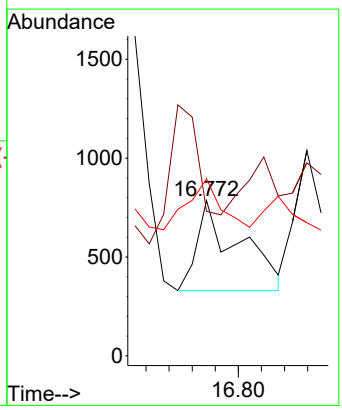


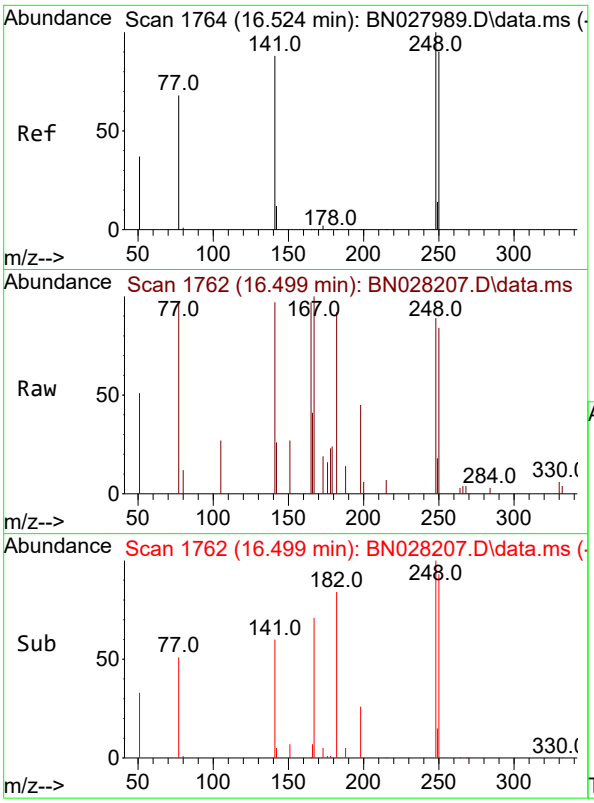


#20
4,6-Dinitro-2-methylphenol
Concen: 6.689 ng
RT: 16.772 min Scan# 1784
Delta R.T. -0.013 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:198 Resp: 1152

Ion	Ratio	Lower	Upper
198	100		
51	93.0	180.7	271.1#
105	113.9	222.2	333.2#



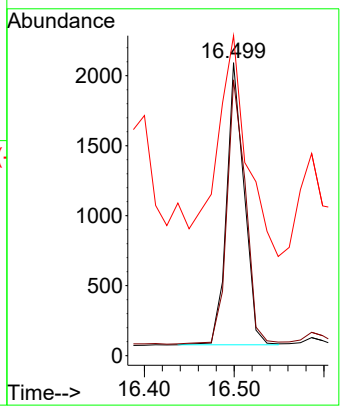


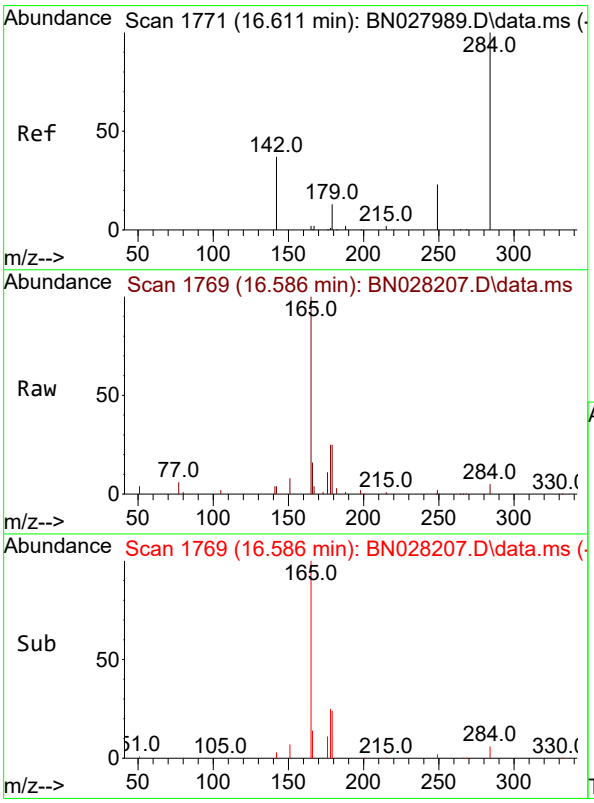
#21
4-Bromophenyl-phenylether
Concen: 0.406 ng
RT: 16.499 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:248 Resp: 2743

Ion	Ratio	Lower	Upper
248	100		
250	94.1	72.3	108.5
141	109.2	71.8	107.6#

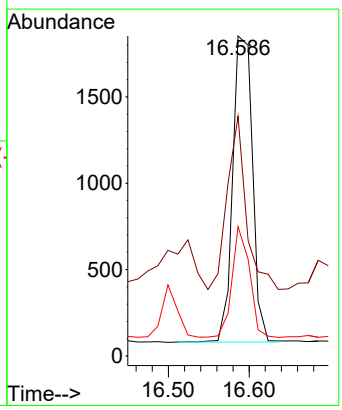


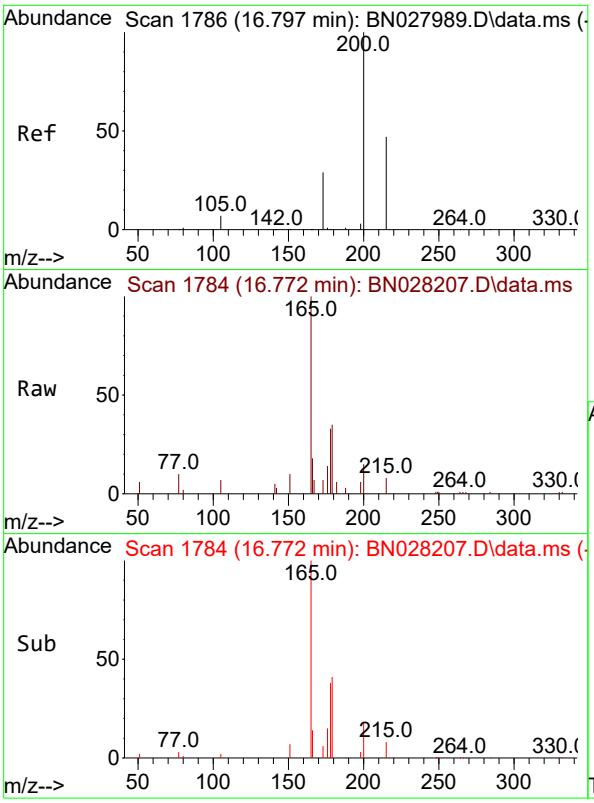


#22
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.586 min Scan# 1769
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:284 Resp: 3022

Ion	Ratio	Lower	Upper
284	100		
142	54.0	29.9	44.9#
249	31.9	25.0	37.4



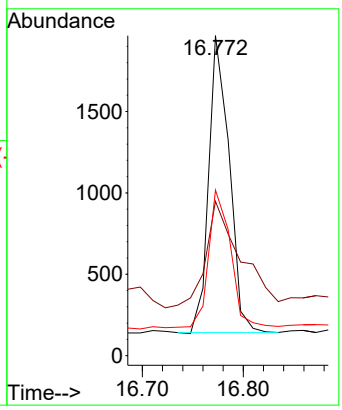


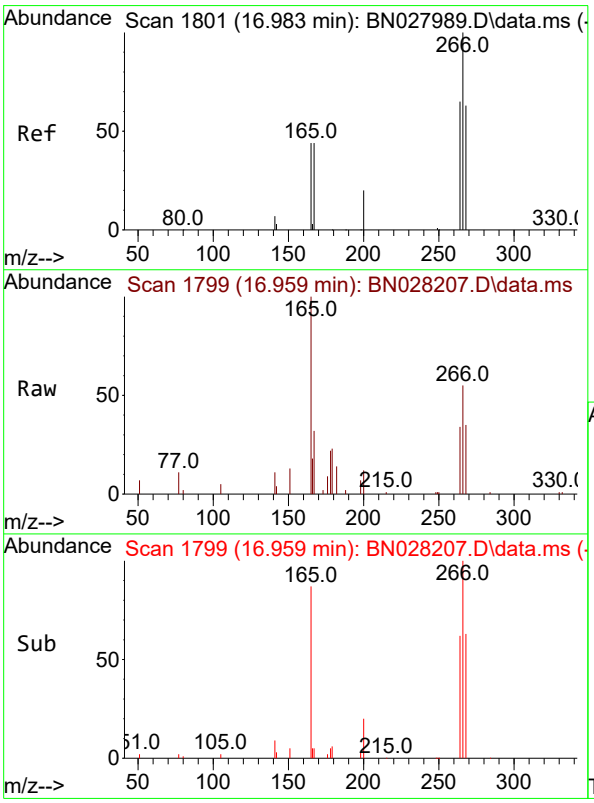
#23
Atrazine
Concen: 0.434 ng
RT: 16.772 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:200 Resp: 2561

Ion	Ratio	Lower	Upper
200	100		
173	48.3	24.7	37.1#
215	51.7	39.0	58.6

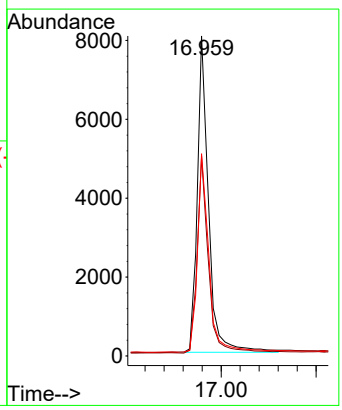


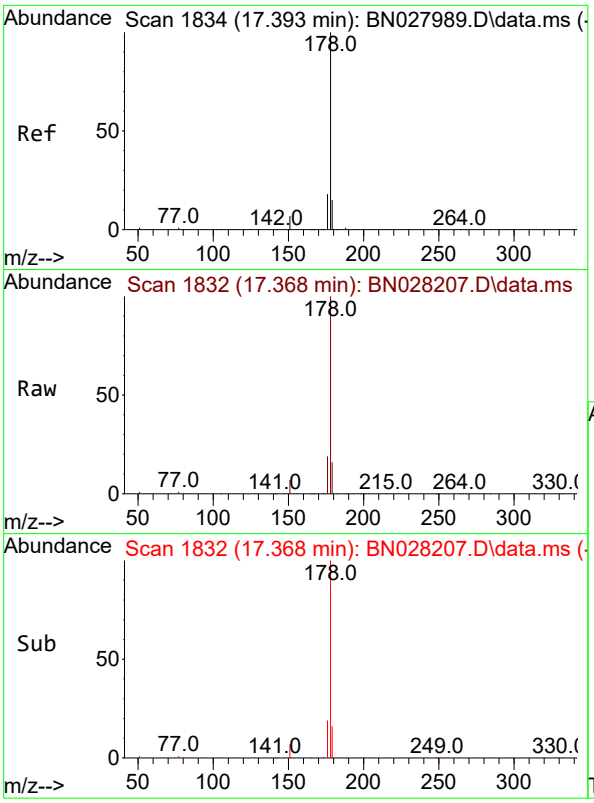


#24
Pentachlorophenol
Concen: 3.942 ng
RT: 16.959 min Scan# 1799
Delta R.T. -0.013 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:266 Resp: 13161

Ion	Ratio	Lower	Upper
266	100		
264	62.2	52.7	79.1
268	64.1	56.2	84.2



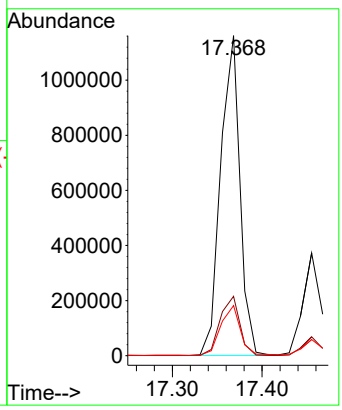


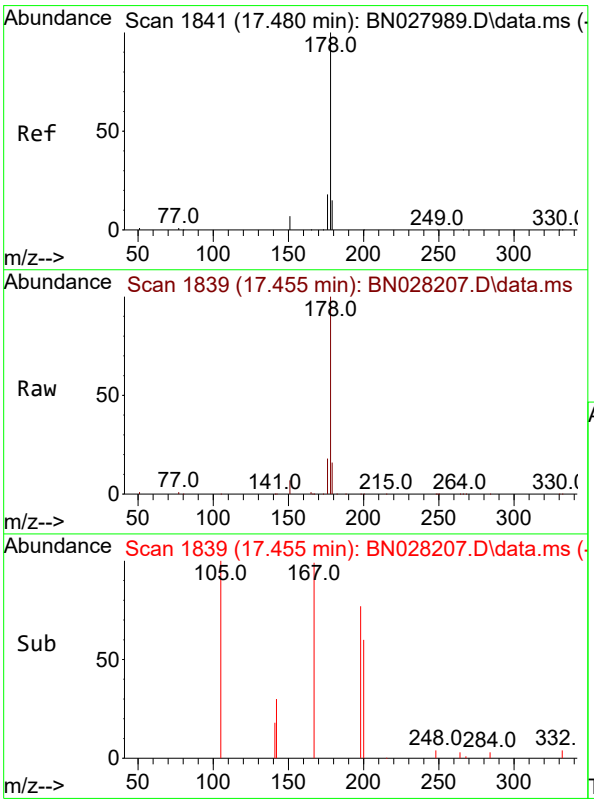
#25
Phenanthrene
Concen: 49.696 ng
RT: 17.368 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:178 Resp: 1735956

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.8	12.4	18.6

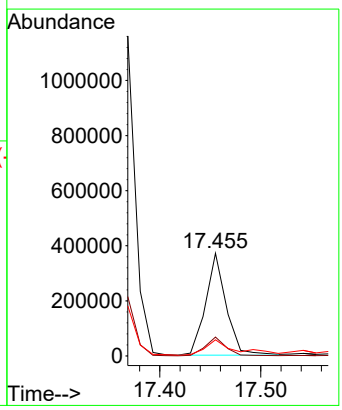


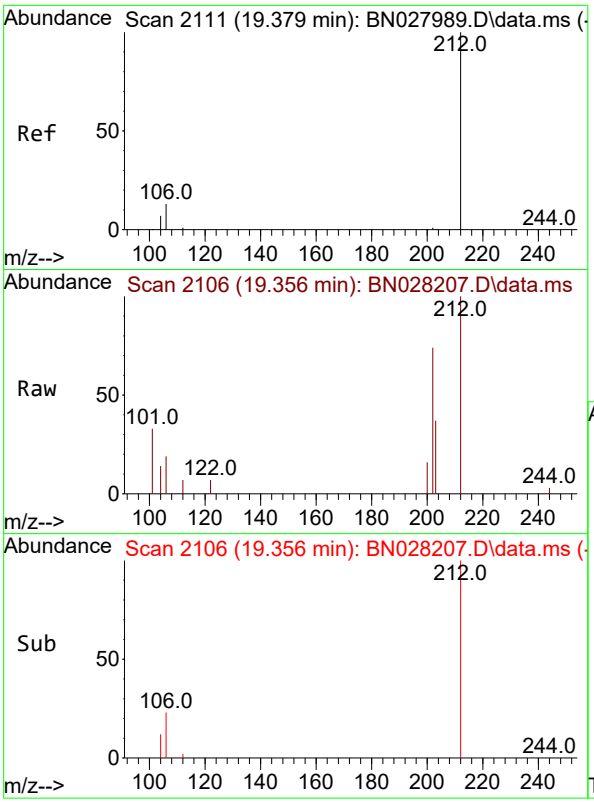


#26
Anthracene
Concen: 15.774 ng
RT: 17.455 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:178 Resp: 520821

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	22.6	12.2	18.2#



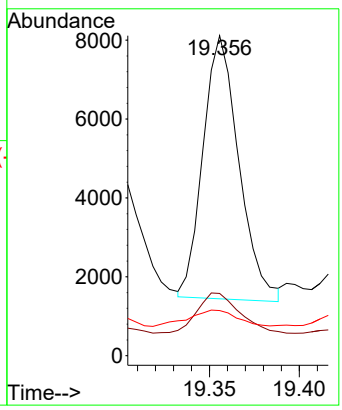


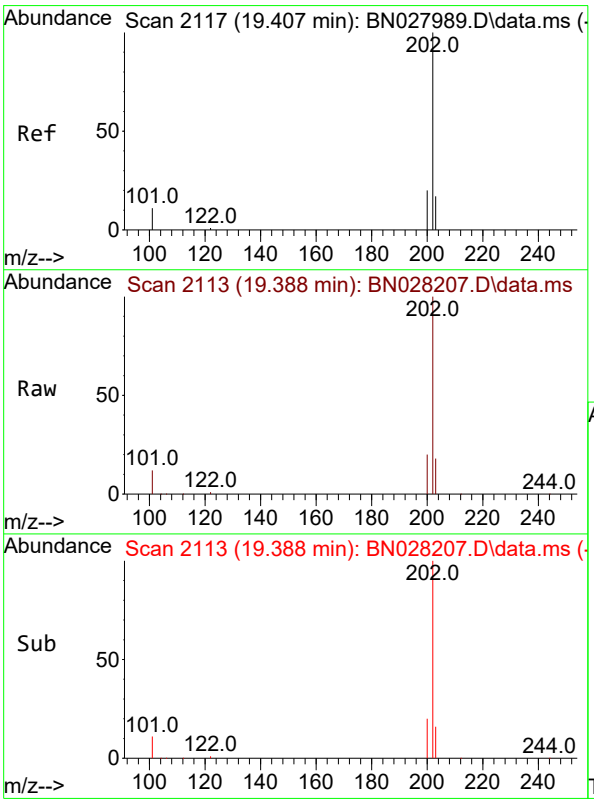
#27
Fluoranthene-d10
Concen: 0.284 ng
RT: 19.356 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:212 Resp: 9238

Ion	Ratio	Lower	Upper
212	100		
106	18.1	11.3	16.9#
104	8.7	6.4	9.6

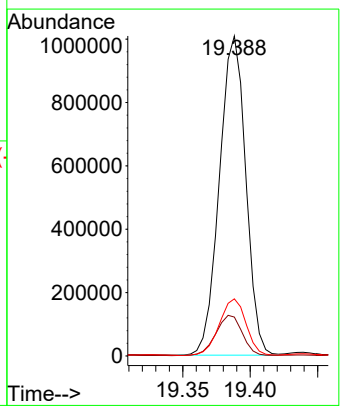


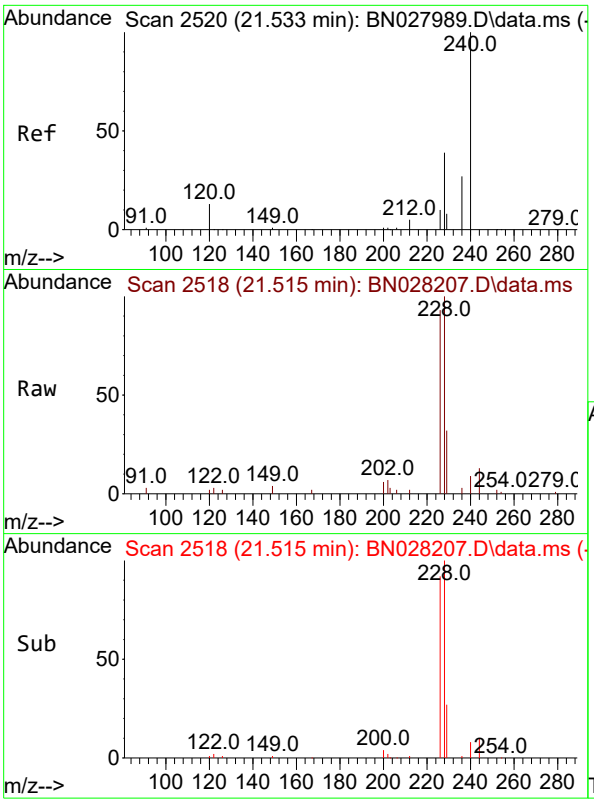


#28
Fluoranthene
Concen: 33.926 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:202 Resp: 1367692

Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.8	14.6
203	17.8	13.8	20.8



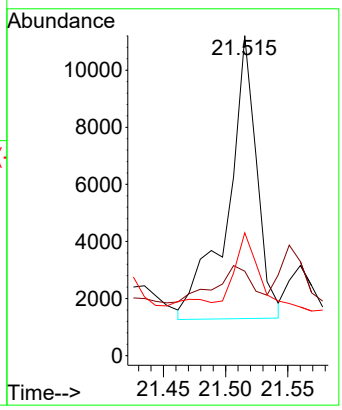


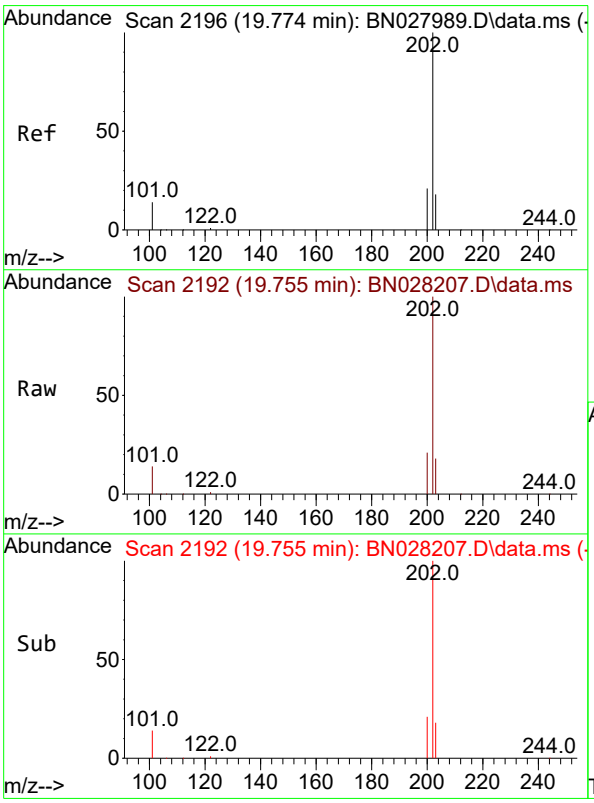
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:240 Resp: 16130

Ion	Ratio	Lower	Upper
240	100		
120	26.4	13.8	20.6#
236	38.4	22.6	33.8#

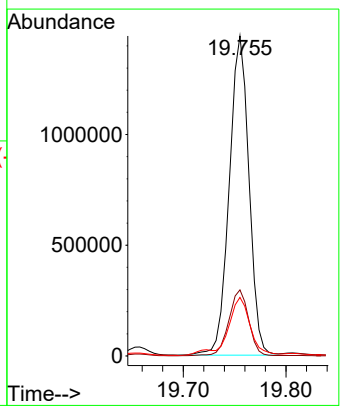


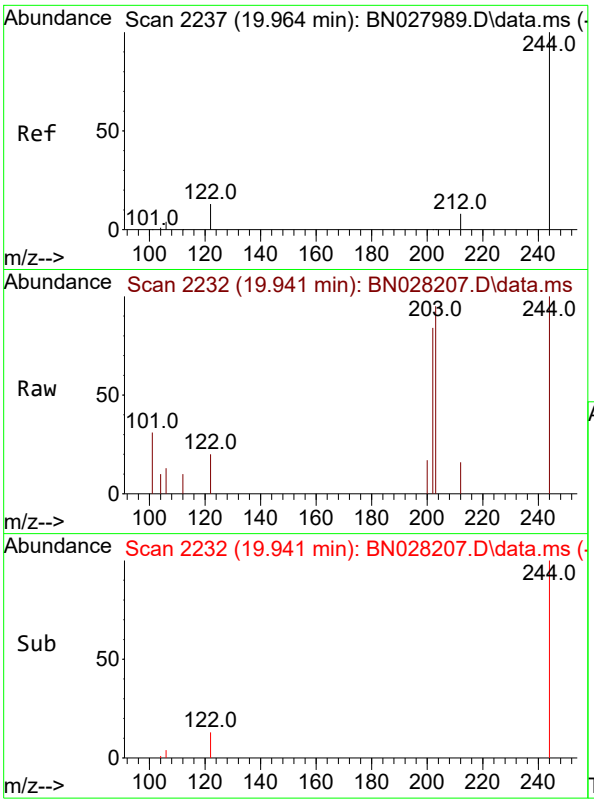


#30
Pyrene
Concen: 32.432 ng
RT: 19.755 min Scan# 2192
Delta R.T. 0.005 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:202 Resp: 1918243

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	20.5	14.7	22.1



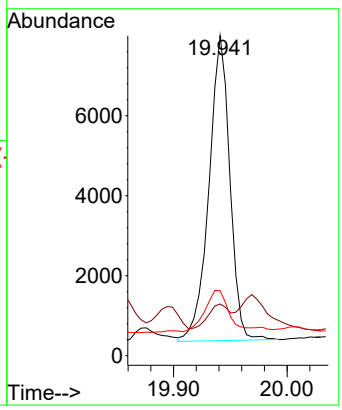


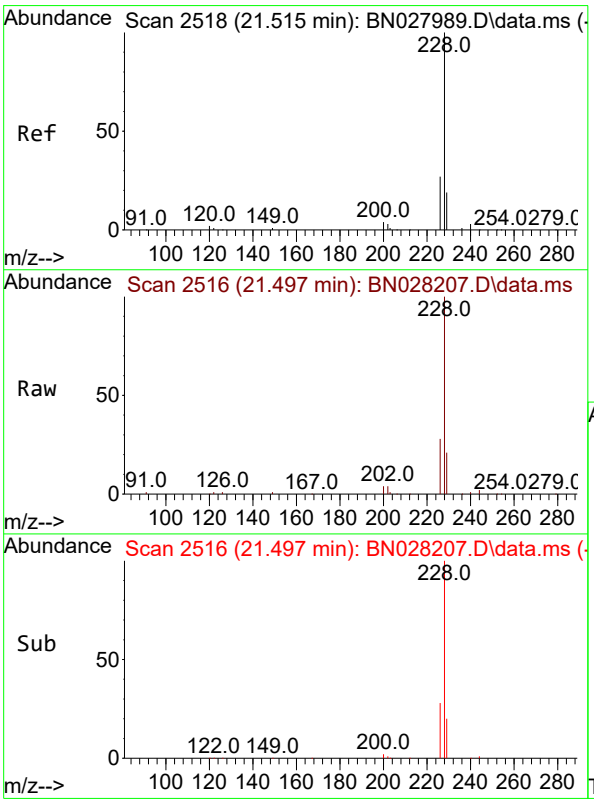
#31
Terphenyl-d14
Concen: 0.259 ng
RT: 19.941 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:244 Resp: 9753

Ion	Ratio	Lower	Upper
244	100		
212	16.1	6.6	9.8#
122	20.3	11.4	17.0#

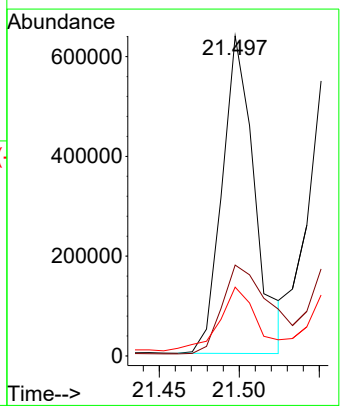


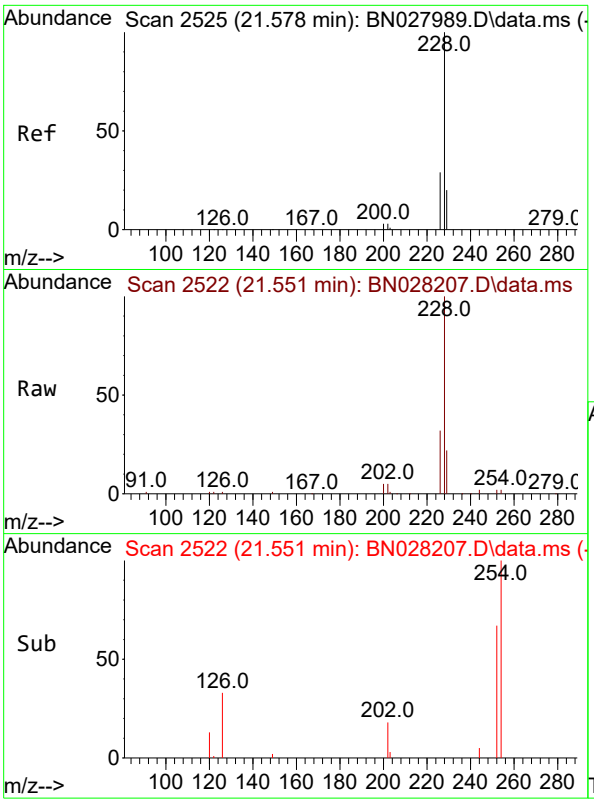


#32
Benzo(a)anthracene
Concen: 16.454 ng
RT: 21.497 min Scan# 2516
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:228 Resp: 903106

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.0	33.0
229	21.5	16.0	24.0



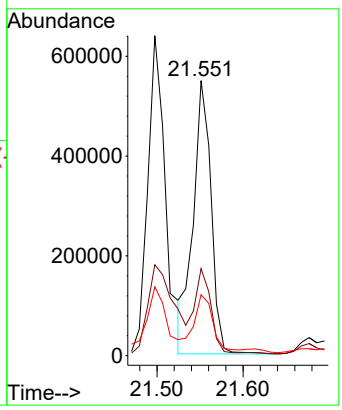


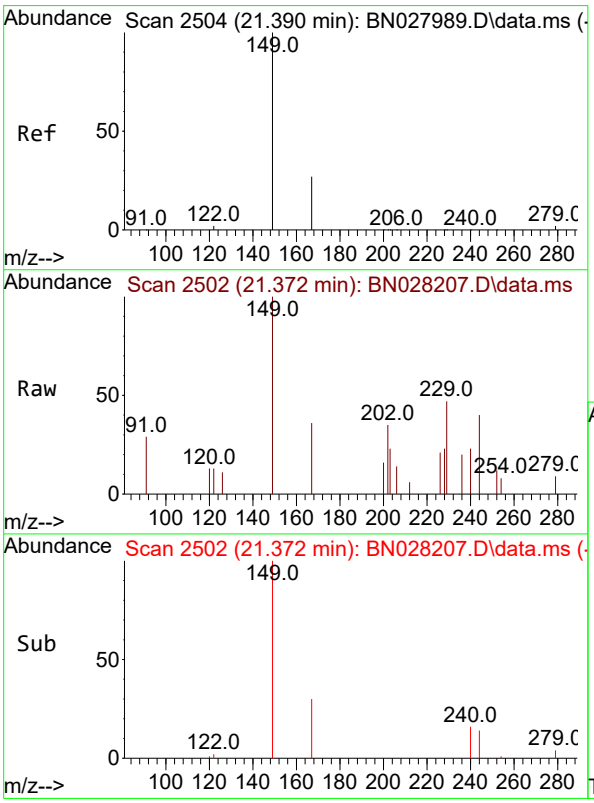
#33
Chrysene
Concen: 15.023 ng
RT: 21.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:228 Resp: 794628

Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.8	35.8
229	22.2	16.6	25.0

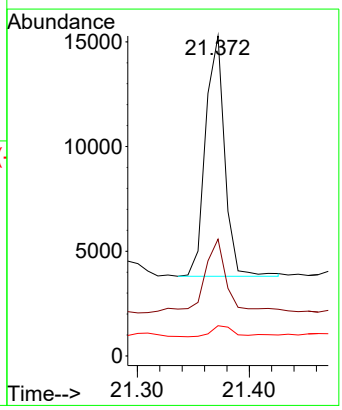


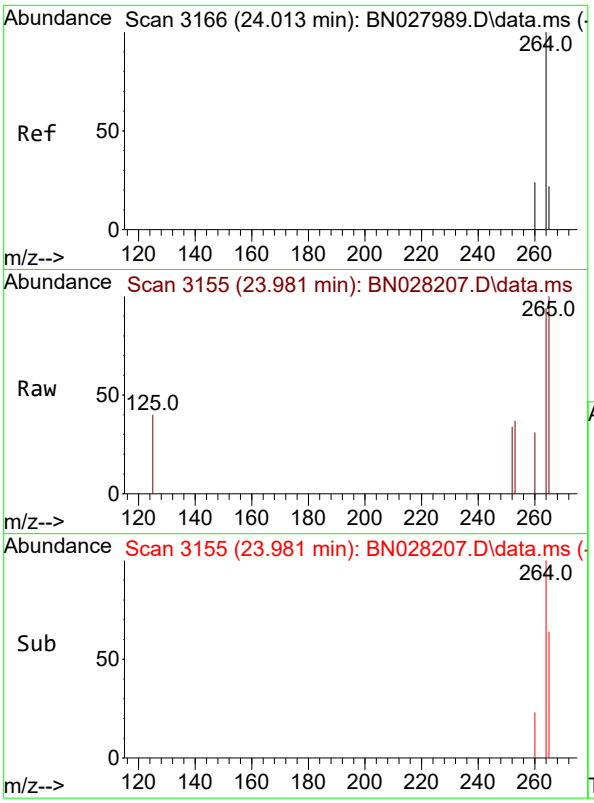


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.378 ng
RT: 21.372 min Scan# 2502
Delta R.T. 0.009 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:149 Resp: 13655

Ion	Ratio	Lower	Upper
149	100		
167	37.0	22.1	33.1#
279	5.2	3.4	5.0#



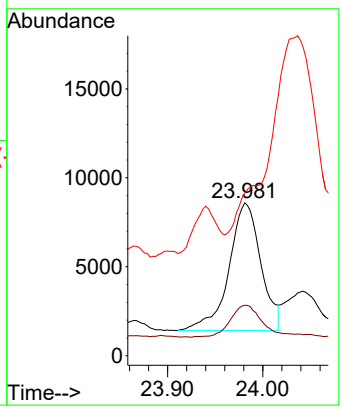


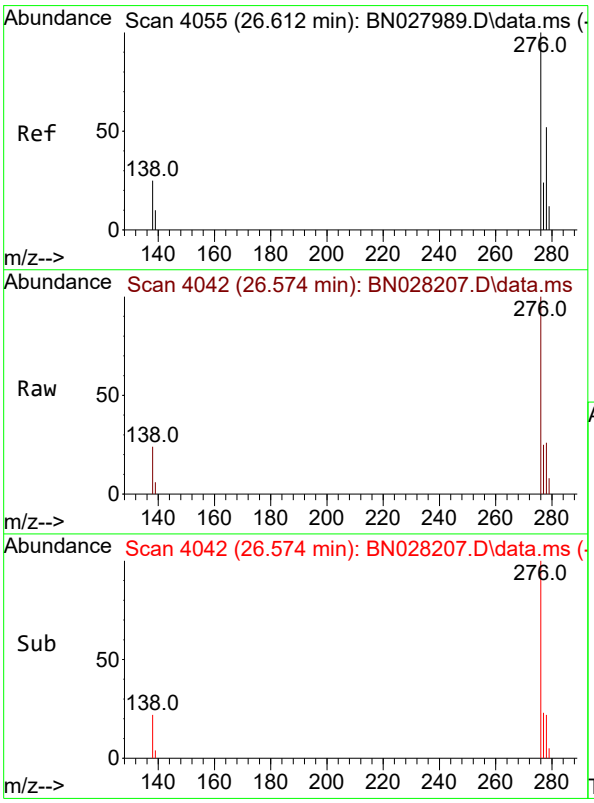
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.981 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:264 Resp: 16798

Ion	Ratio	Lower	Upper
264	100		
260	33.0	20.2	30.4#
265	106.1	54.8	82.2#

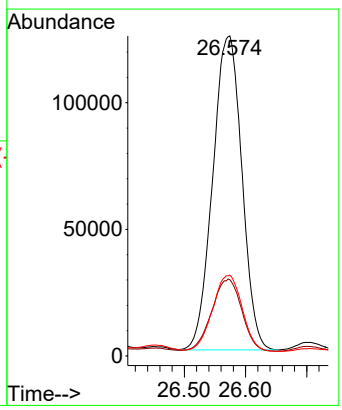


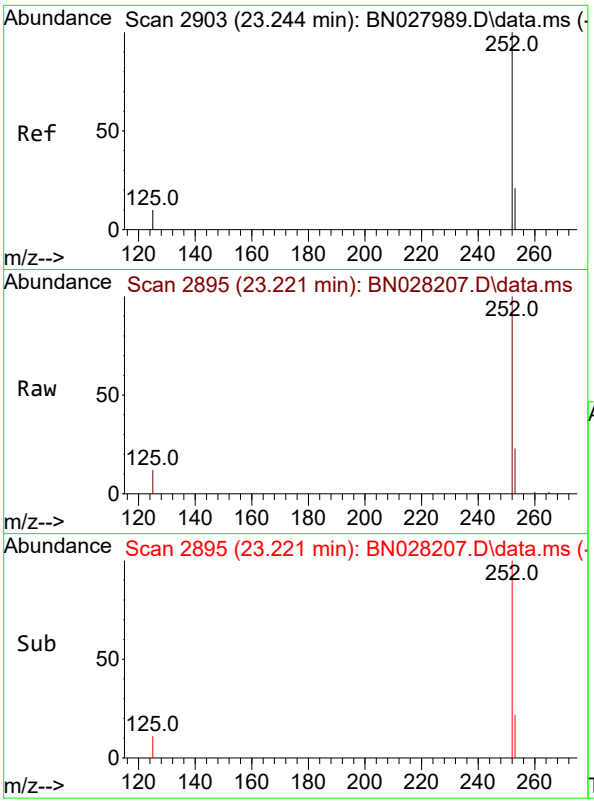


#36
Indeno(1,2,3-cd)pyrene
Concen: 7.257 ng
RT: 26.574 min Scan# 4042
Delta R.T. 0.017 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:276 Resp: 410018

Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.9	31.3
277	24.7	19.8	29.6



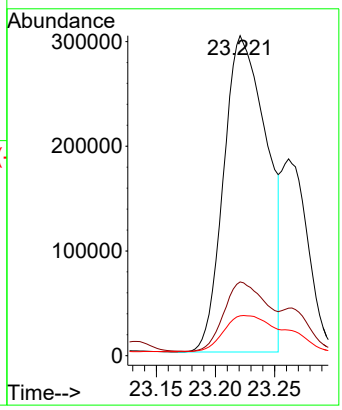


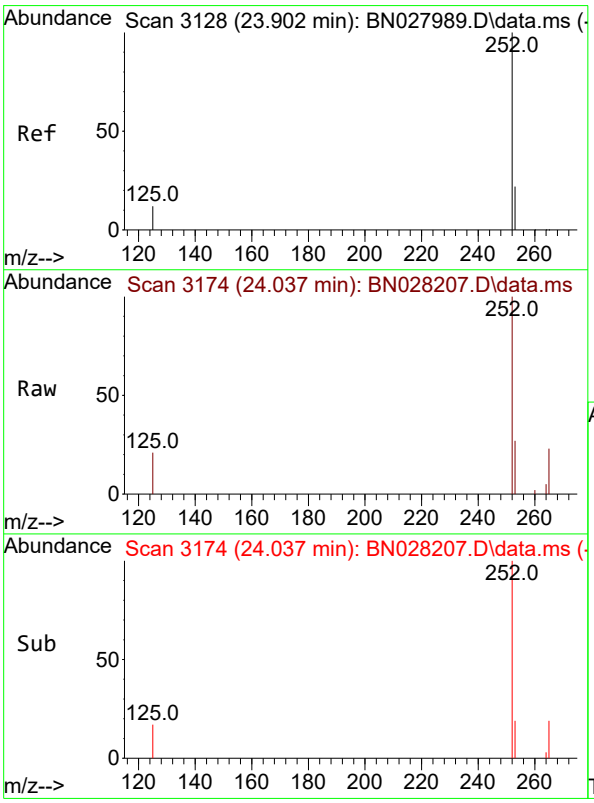
#37
Benzo(b)fluoranthene
Concen: 14.100 ng
RT: 23.221 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:252 Resp: 764975

Ion	Ratio	Lower	Upper
252	100		
253	23.0	22.9	34.3
125	12.4	13.8	20.8#

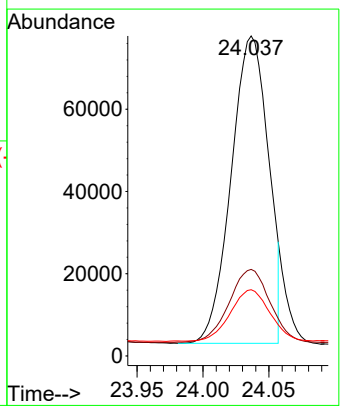


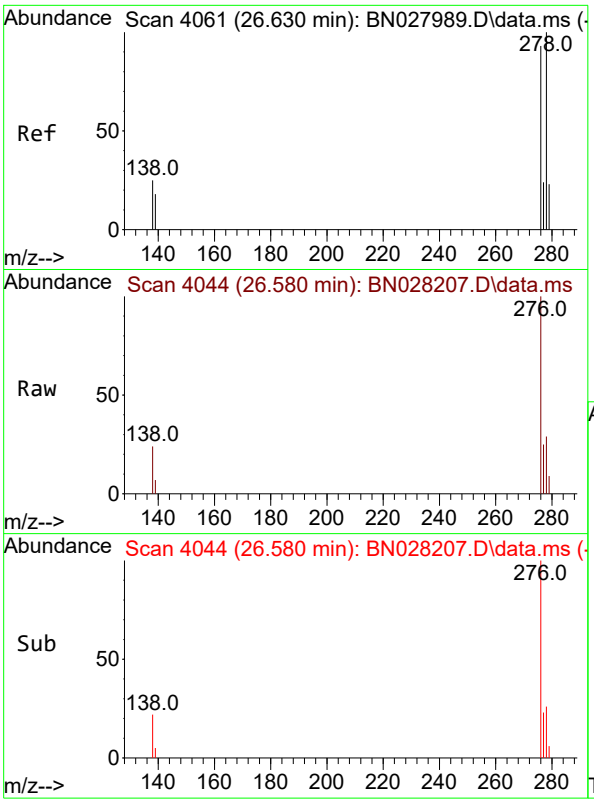


#39
Benzo(a)pyrene
Concen: 2.851 ng
RT: 24.037 min Scan# 3174
Delta R.T. 0.172 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:252 Resp: 146263

Ion	Ratio	Lower	Upper
252	100		
253	27.1	25.0	37.4
125	20.7	16.6	24.8



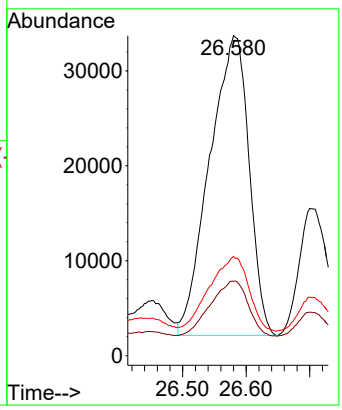


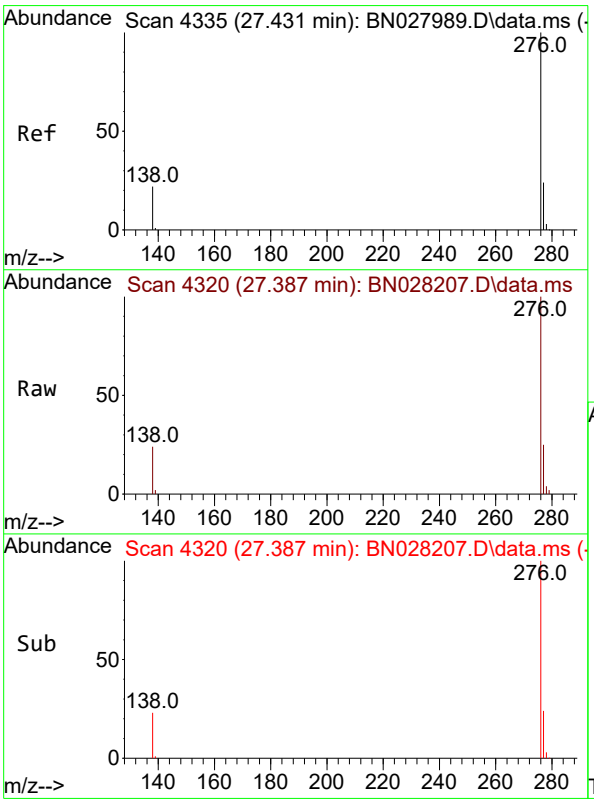
#40
Dibenzo(a,h)anthracene
Concen: 2.945 ng
RT: 26.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Instrument :
BNA_N
ClientSampleId :
S-3(0-5)MS

Tgt Ion:278 Resp: 136135

Ion	Ratio	Lower	Upper
278	100		
139	23.3	17.7	26.5
279	31.1	25.2	37.8





#41
Benzo(g,h,i)perylene
Concen: 9.142 ng
RT: 27.387 min Scan# 4320
Delta R.T. 0.020 min
Lab File: BN028207.D
Acq: 10 Oct 2023 21:05

Tgt Ion:276 Resp: 433713

Ion	Ratio	Lower	Upper
276	100		
277	24.9	22.1	33.1
138	23.9	20.8	31.2