Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028205.D
Acq On : 10 Oct 2023 19:52
Operator : MA/JU
Sample : 04704-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Quant Time: Oct 11 02:33:54 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	3993	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	12518	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	9569	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	13392	0.400	ng	# 0.00
29) Chrysene-d12	21.524	240	22427	0.400	ng	# 0.00
35) Perylene-d12	23.990	264	24640	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2767	0.232	ng	0.00
5) Phenol-d6	7.084	99	3301	0.220	ng	0.00
8) Nitrobenzene-d5	9.112	82	3111	0.292	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	4316	0.233	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	690	0.157	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	6205	0.180	ng	0.00
27) Fluoranthene-d10	19.360	212	7565	0.225	ng	0.00
31) Terphenyl-d14	19.941	244	10022	0.192	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.350	88	115	0.026	ng	# 1
6) bis(2-Chloroethyl)ether	7.532	93	272	0.022	ng	# 39
9) Naphthalene	10.789	128	2161818	66.838	ng	98
12) 2-Methylnaphthalene	12.392	142	556771	24.608	ng	99
16) Acenaphthylene	14.298	152	1627641	38.397	ng	99
17) Acenaphthene	14.630	154	249038	9.216	ng	98
18) Fluorene	15.606	166	830462	23.663	ng	97
20) 4,6-Dinitro-2-methylph...	16.773	198	3039	17.073	ng	# 18
23) Atrazine	16.810	200	217	0.036	ng	# 1
25) Phenanthrene	17.368	178	5060377	140.159	ng	99
26) Anthracene	17.455	178	2207146	64.676	ng	# 96
28) Fluoranthene	19.393	202	5729447	137.504	ng	97
30) Pyrene	19.765	202	6075154	73.873	ng	96
32) Benzo(a)anthracene	21.506	228	3665140	48.027	ng	95
33) Chrysene	21.560	228	2802411	38.105	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	8185	0.163	ng	# 81
36) Indeno(1,2,3-cd)pyrene	26.598	276	2071105	24.989	ng	97
37) Benzo(b)fluoranthene	23.236	252	3769711	47.371	ng	# 90
39) Benzo(a)pyrene	24.048	252	797909	10.604	ng	92
40) Dibenzo(a,h)anthracene	26.601	278	583959	8.613	ng	97
41) Benzo(g,h,i)perylene	27.419	276	2048575	29.437	ng	95

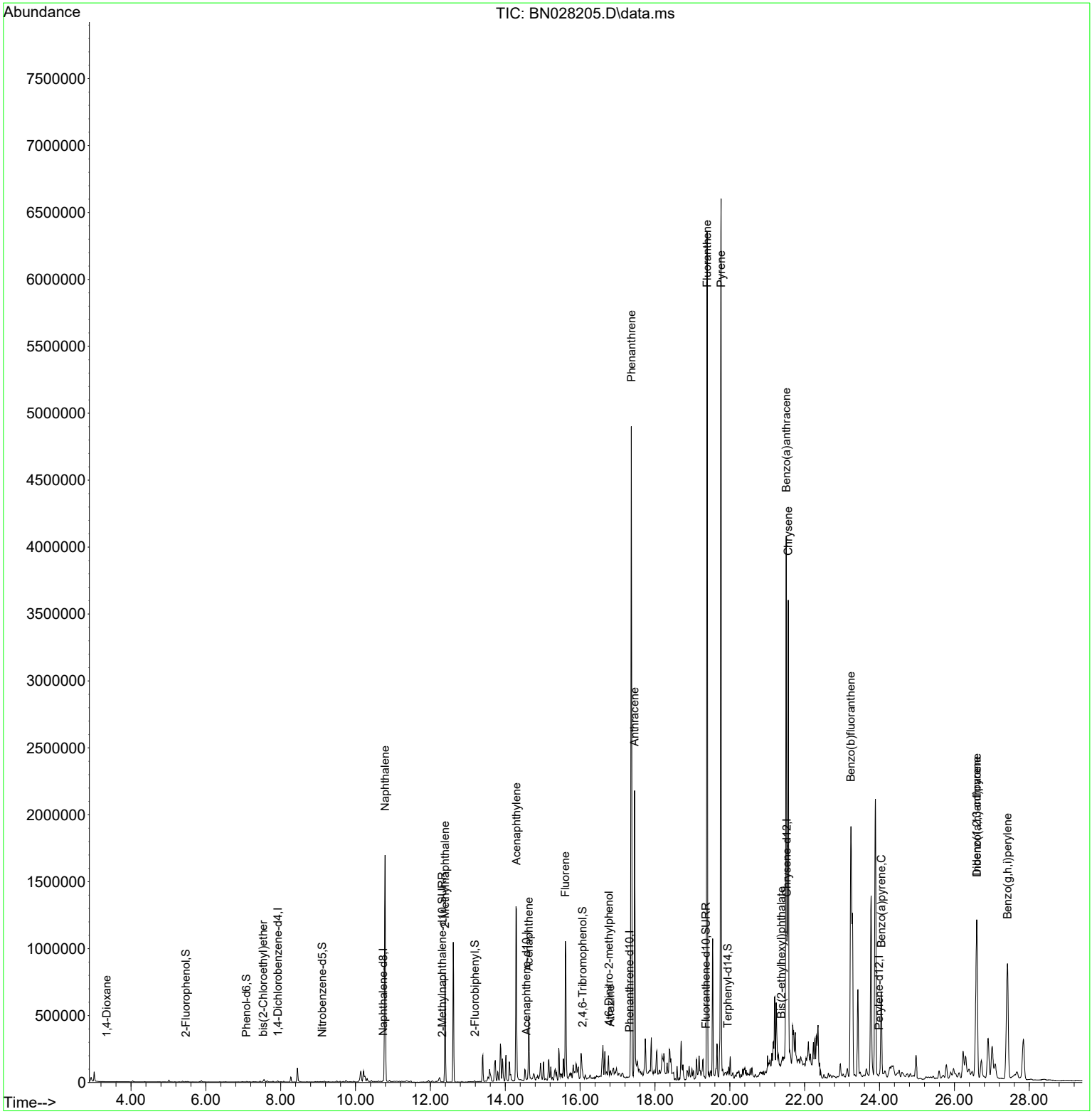
(#) = qualifier out of range (m) = manual integration (+) = signals summed

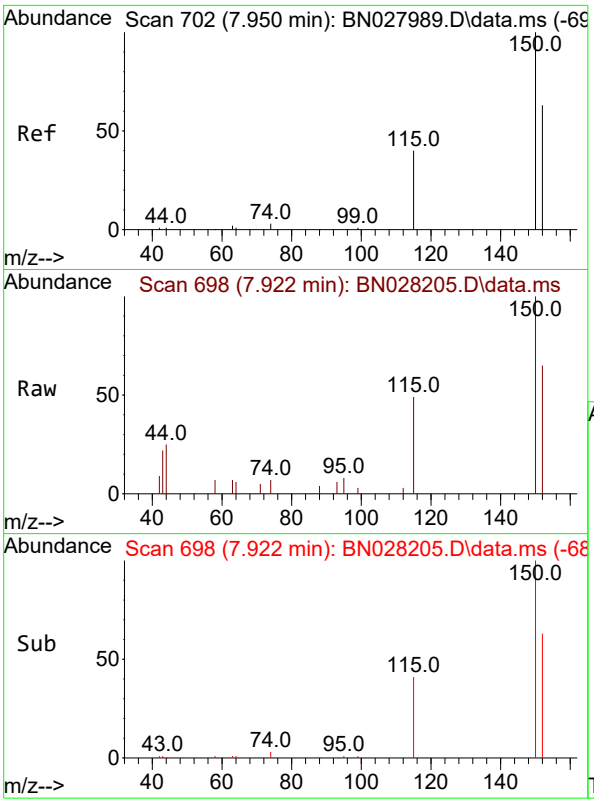
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028205.D
Acq On : 10 Oct 2023 19:52
Operator : MA/JU
Sample : 04704-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Quant Time: Oct 11 02:33:54 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



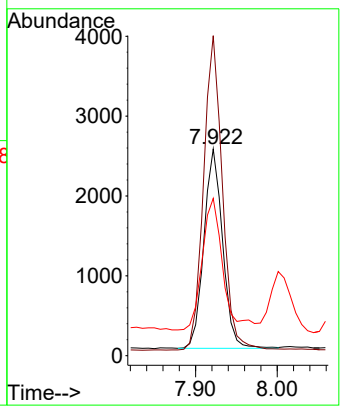


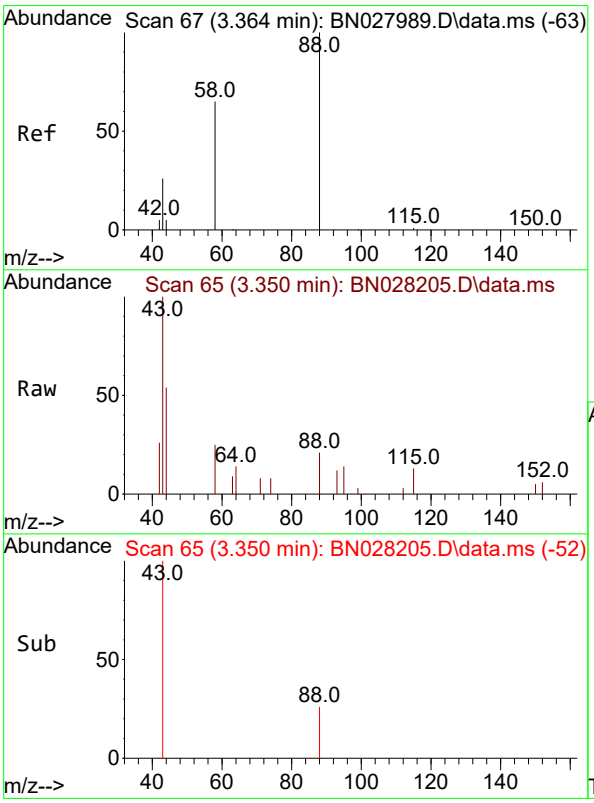
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:152 Resp: 3993

Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.6	188.4
115	76.1	54.8	82.2

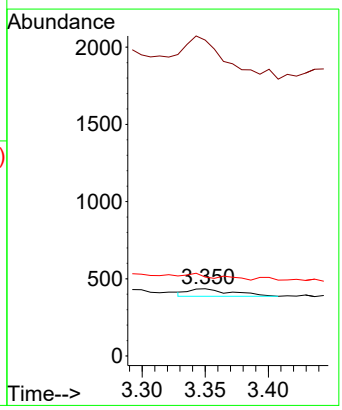


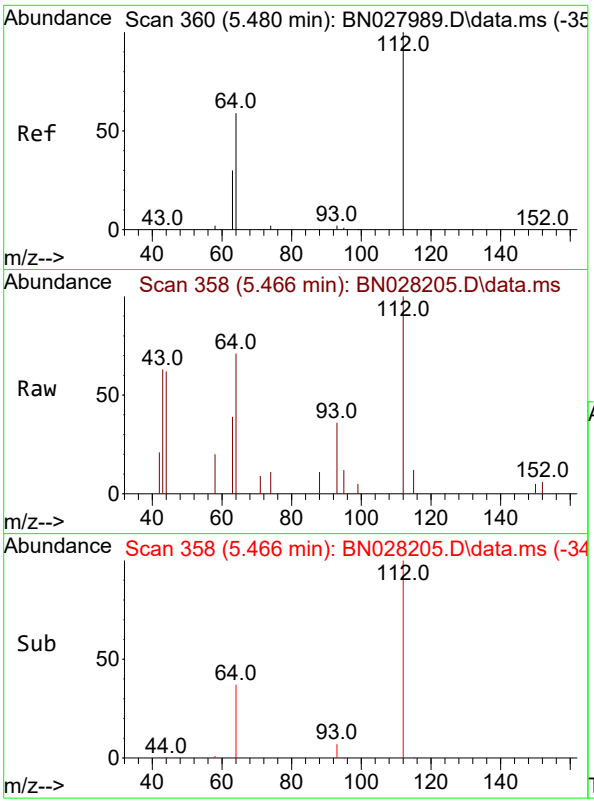


#2
1,4-Dioxane
Concen: 0.026 ng
RT: 3.350 min Scan# 65
Delta R.T. -0.007 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion: 88 Resp: 115

Ion	Ratio	Lower	Upper
88	100		
43	582.6	24.6	36.8#
58	0.0	53.8	80.6#



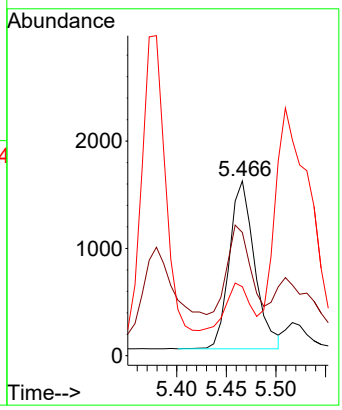


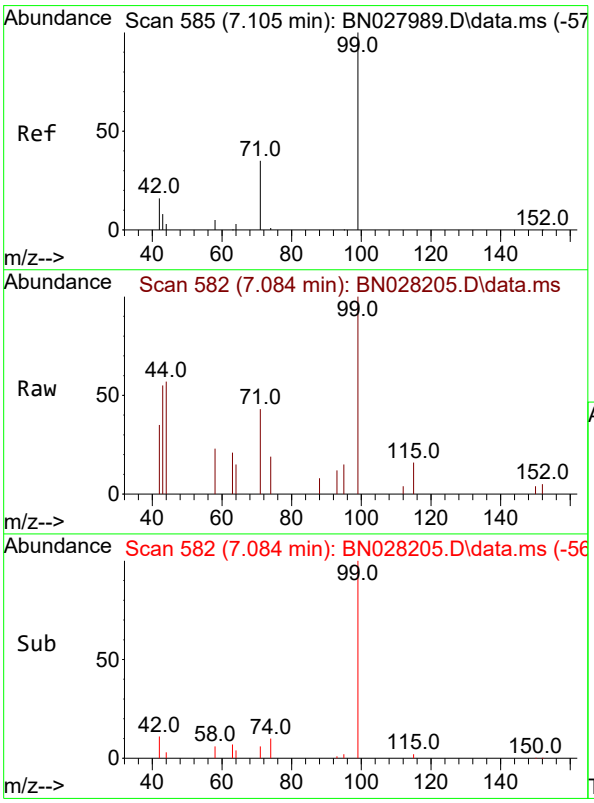
#4
2-Fluorophenol
Concen: 0.232 ng
RT: 5.466 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:112 Resp: 2767

Ion	Ratio	Lower	Upper
112	100		
64	50.1	45.0	67.6
63	26.8	23.4	35.0

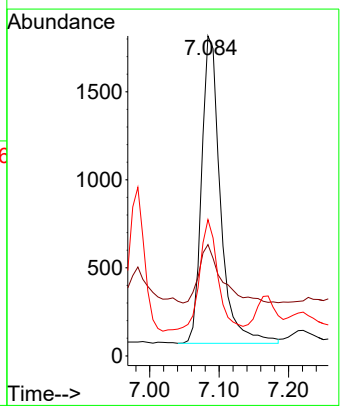


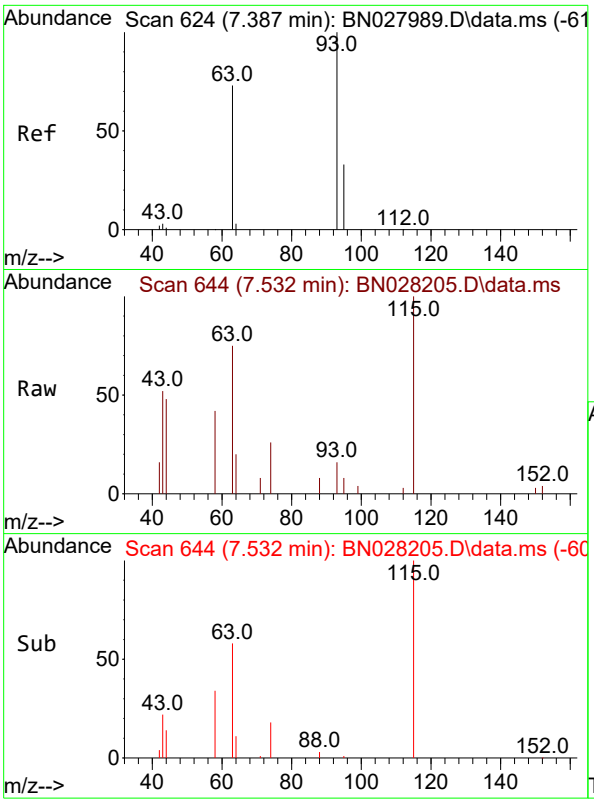


#5
Phenol-d6
Concen: 0.220 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion: 99 Resp: 3301

Ion	Ratio	Lower	Upper
99	100		
42	22.7	14.6	22.0#
71	36.0	28.3	42.5



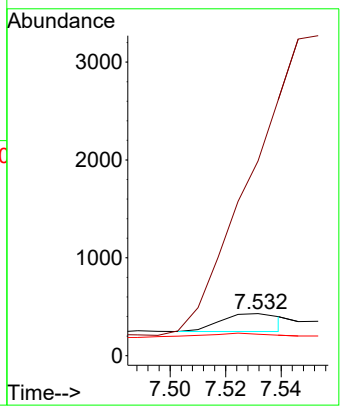


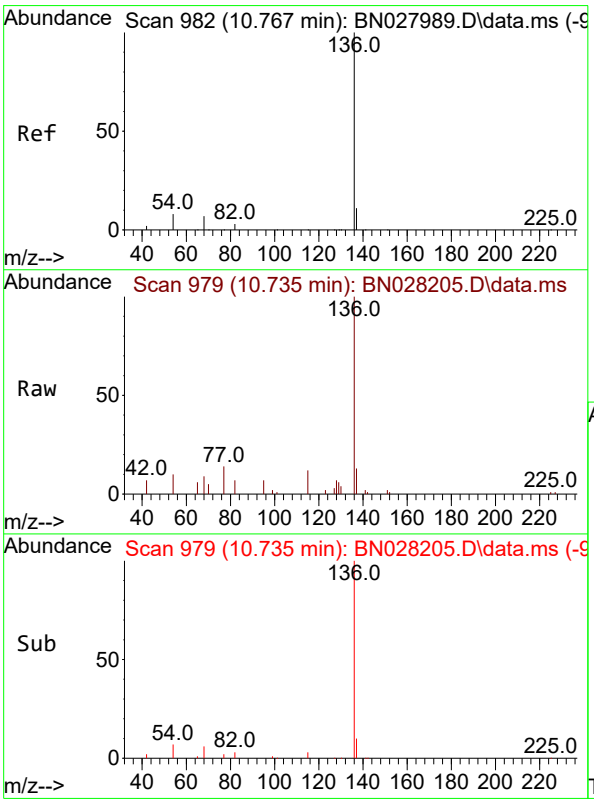
#6
bis(2-Chloroethyl)ether
Concen: 0.022 ng
RT: 7.532 min Scan# 64
Delta R.T. 0.166 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion: 93 Resp: 272

Ion	Ratio	Lower	Upper
93	100		
63	0.0	58.8	88.2#
95	32.4	26.6	39.8

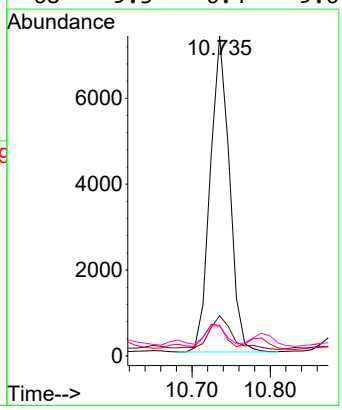


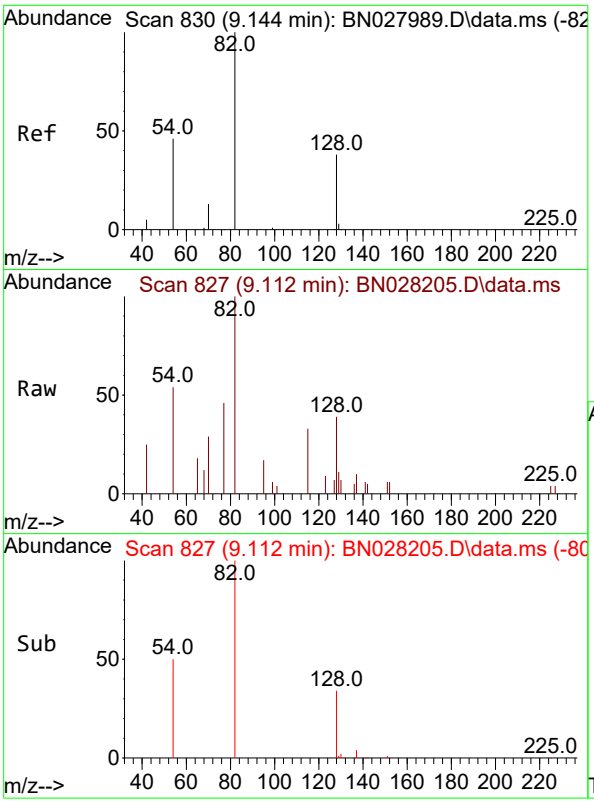


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:136 Resp: 12518

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.4	14.0
54	9.5	7.0	10.6
68	9.3	6.4	9.6



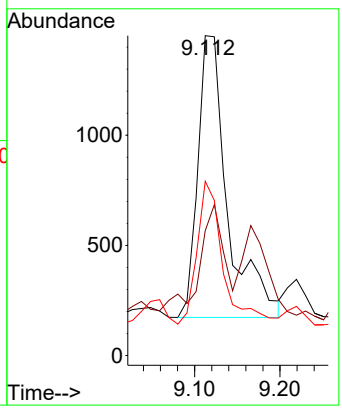


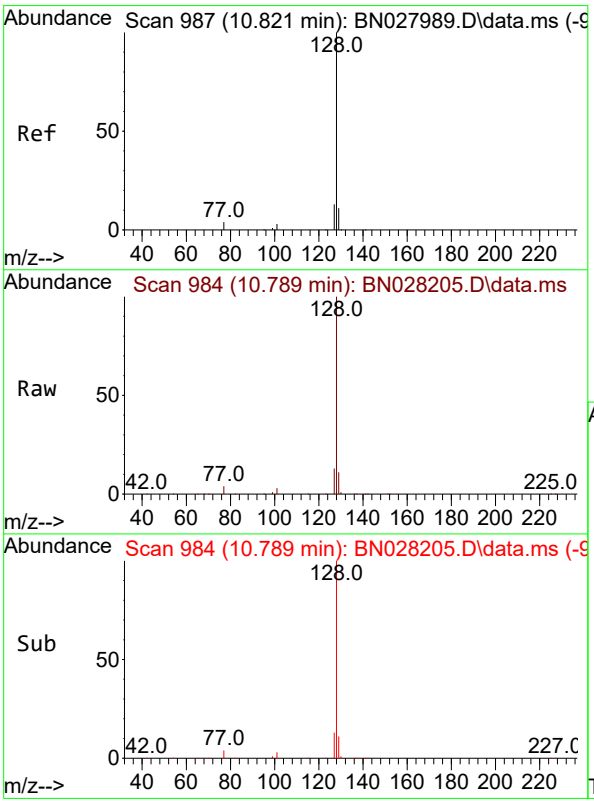
#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 9.112 min Scan# 8
Delta R.T. -0.011 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion: 82 Resp: 3111

Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.7	49.1
54	54.5	38.7	58.1

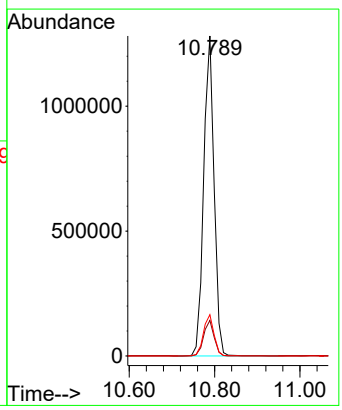


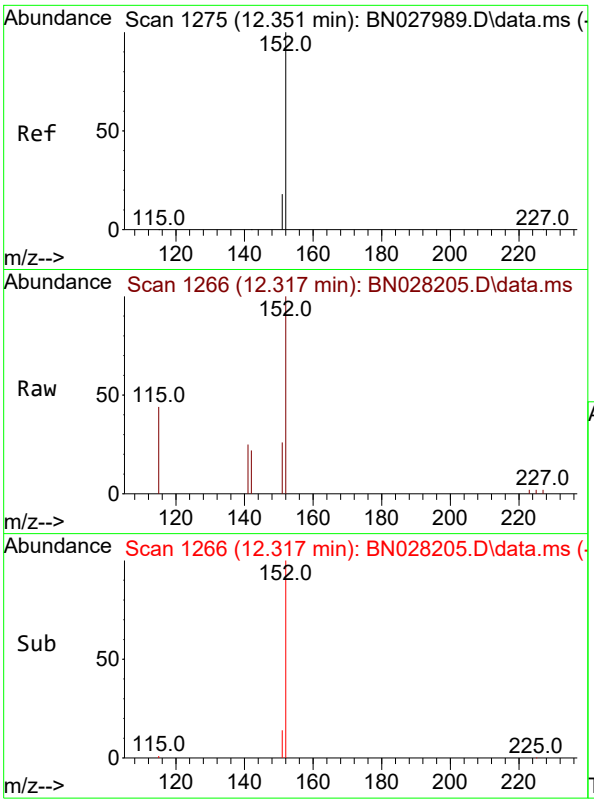


#9
Naphthalene
Concen: 66.838 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:128 Resp: 2161818

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



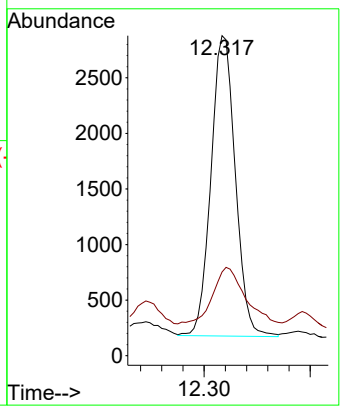


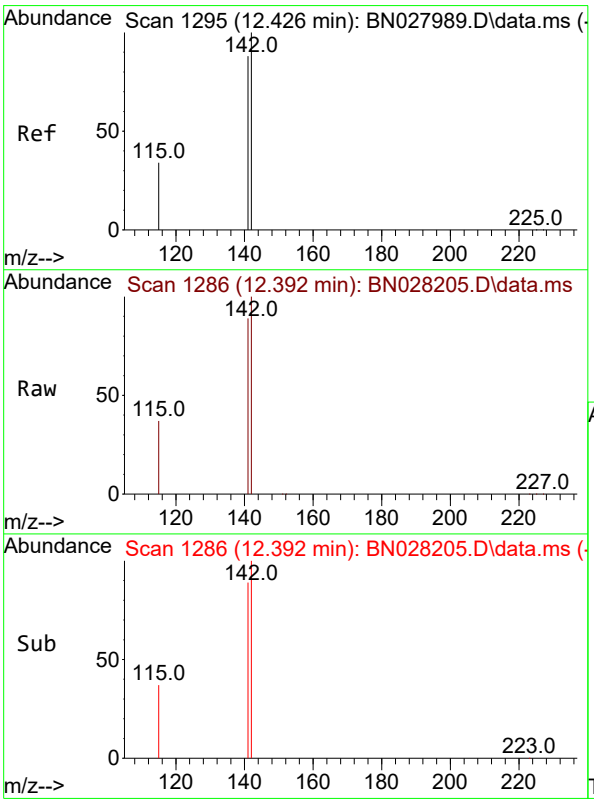
#11
2-Methylnaphthalene-d10
Concen: 0.233 ng
RT: 12.317 min Scan# 1
Delta R.T. -0.008 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:152 Resp: 4316

Ion	Ratio	Lower	Upper
152	100		
151	28.3	16.5	24.7#

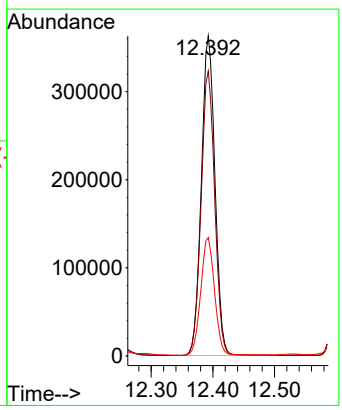


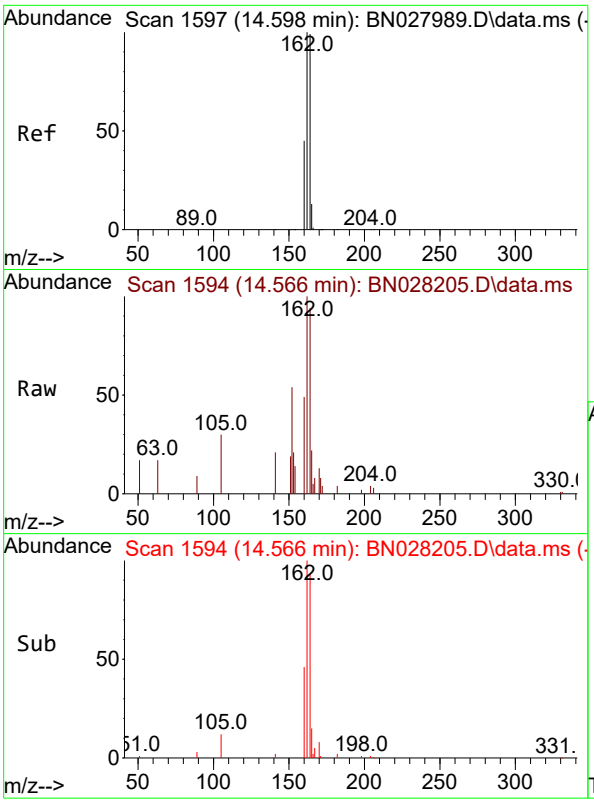


#12
2-Methylnaphthalene
Concen: 24.608 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:142 Resp: 556771

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.7	106.1
115	37.0	28.6	42.8



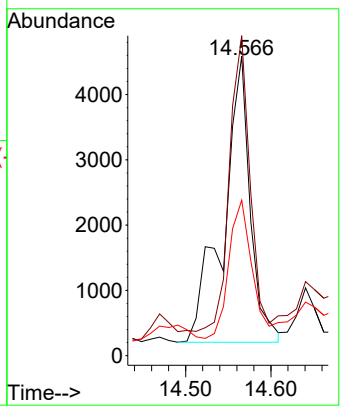


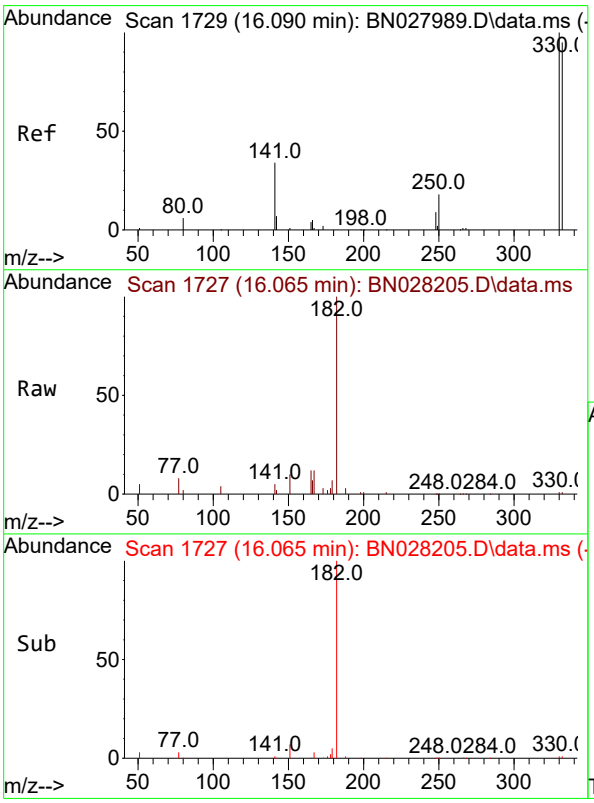
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:164 Resp: 9569

Ion	Ratio	Lower	Upper
164	100		
162	106.8	80.8	121.2
160	51.9	36.4	54.6

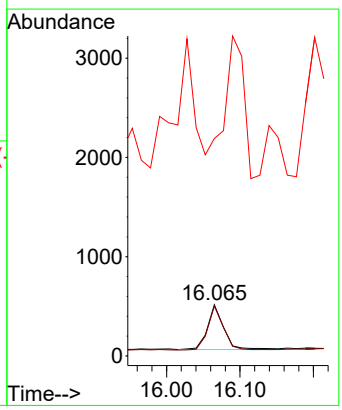


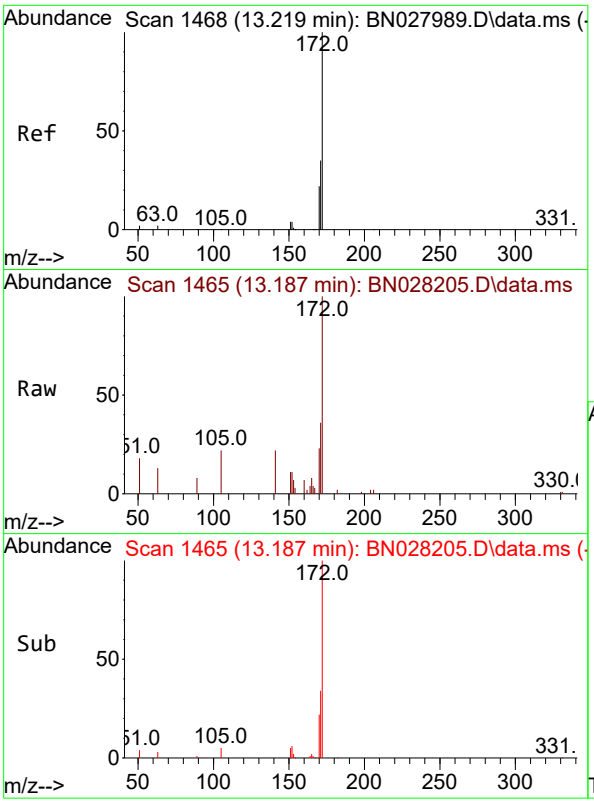


#14
2,4,6-Tribromophenol
Concen: 0.157 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:330 Resp: 690

Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.1	117.1
141	0.0	33.4	50.2#



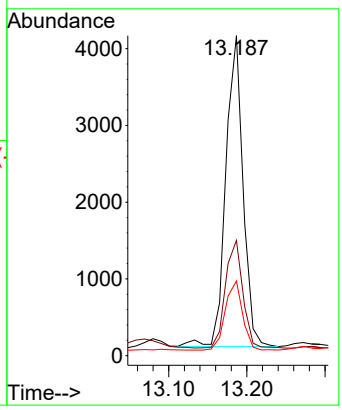


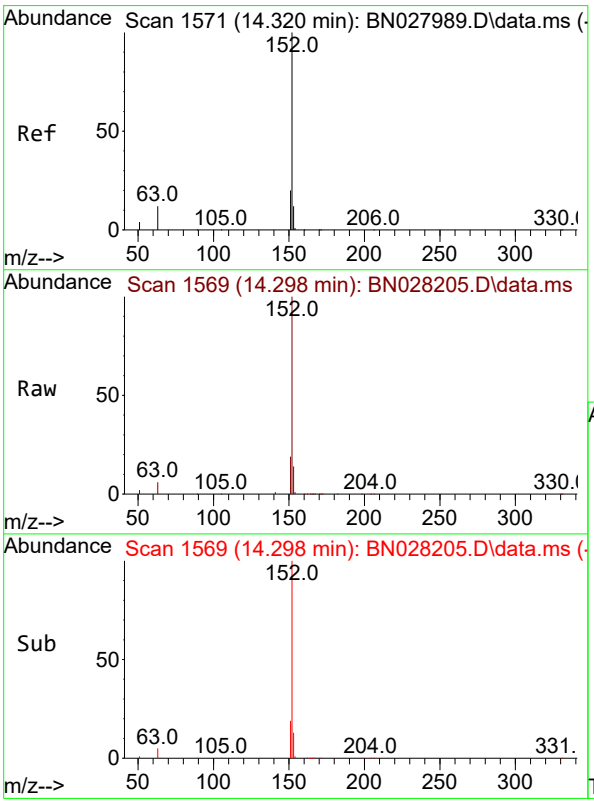
#15
2-Fluorobiphenyl
Concen: 0.180 ng
RT: 13.187 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:172 Resp: 6205

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.1	42.1
170	23.4	18.4	27.6

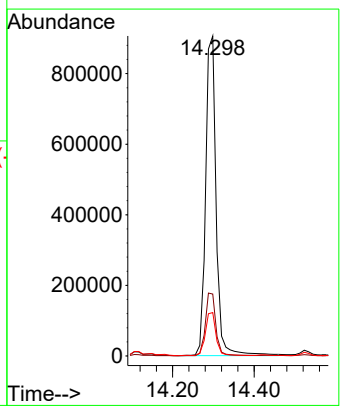


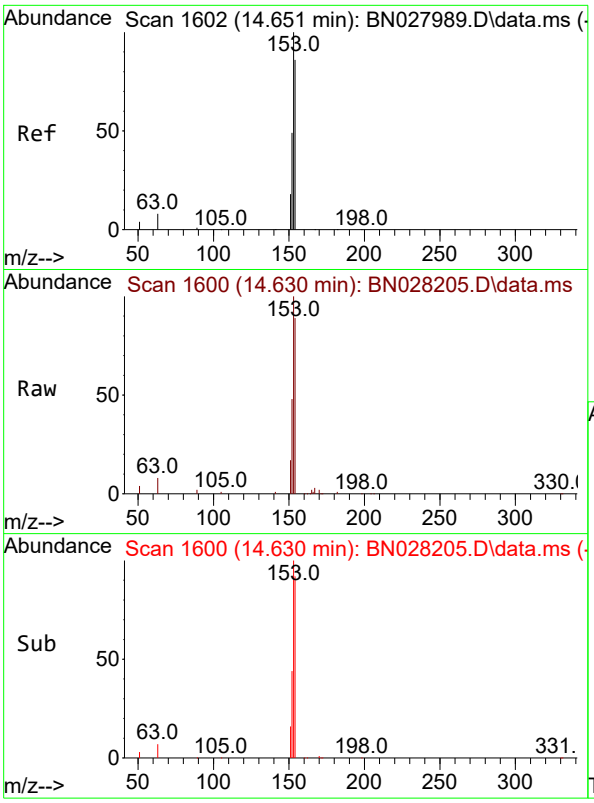


#16
Acenaphthylene
Concen: 38.397 ng
RT: 14.298 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:152 Resp: 1627641

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.8	10.2	15.4



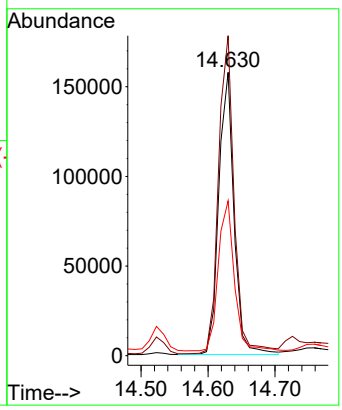


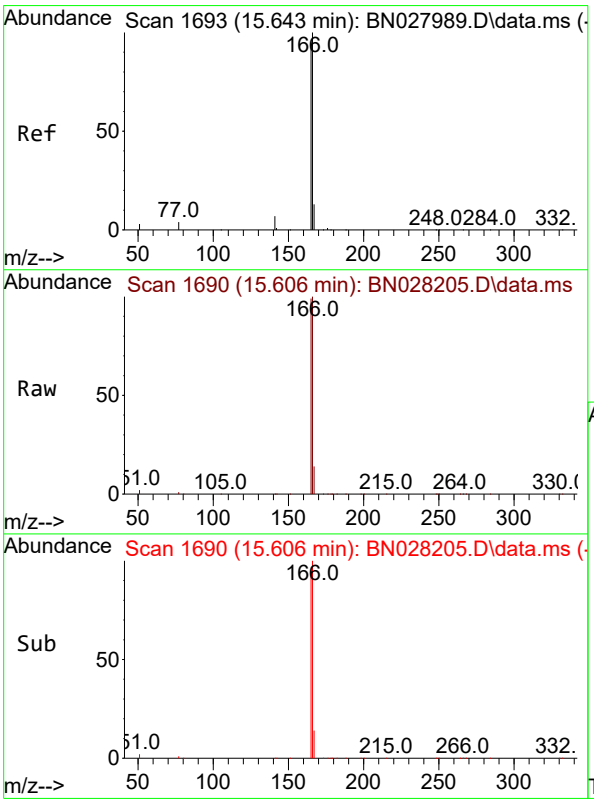
#17
Acenaphthene
Concen: 9.216 ng
RT: 14.630 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:154 Resp: 249038

Ion	Ratio	Lower	Upper
154	100		
153	116.0	90.8	136.2
152	55.8	43.9	65.9

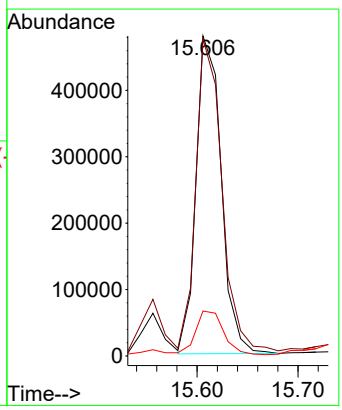


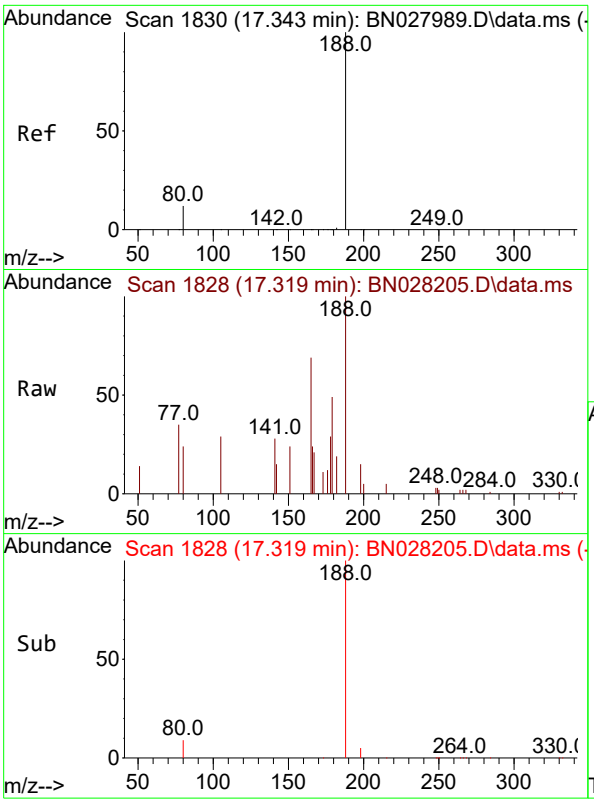


#18
Fluorene
Concen: 23.663 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:166 Resp: 830462

Ion	Ratio	Lower	Upper
166	100		
165	100.4	77.8	116.8
167	15.3	10.7	16.1



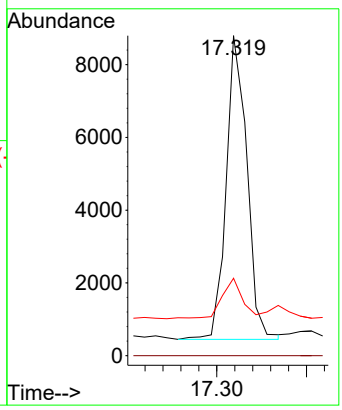


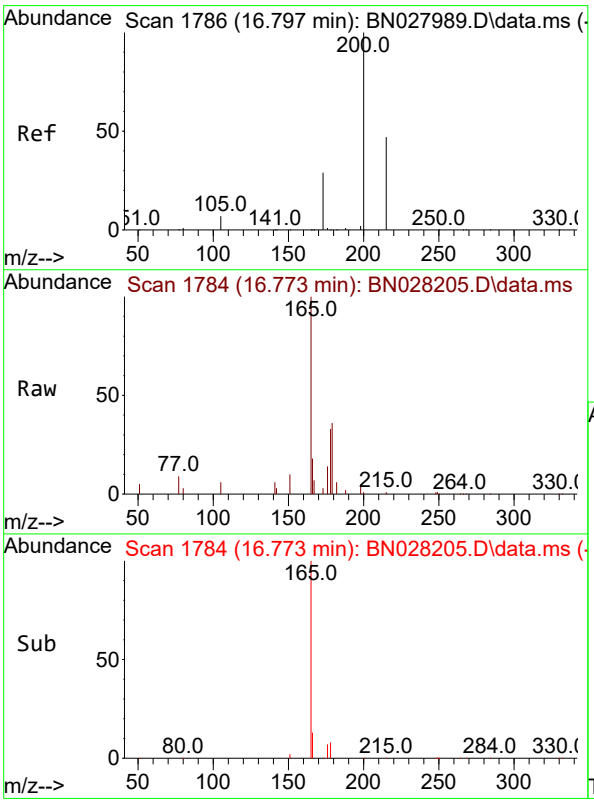
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:188 Resp: 13392

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	24.2	10.2	15.4#

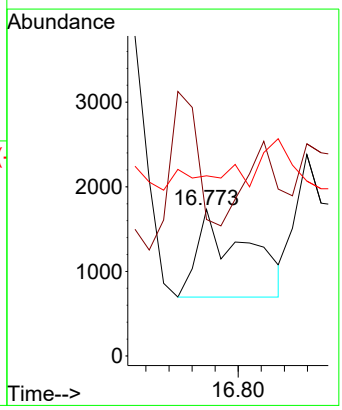


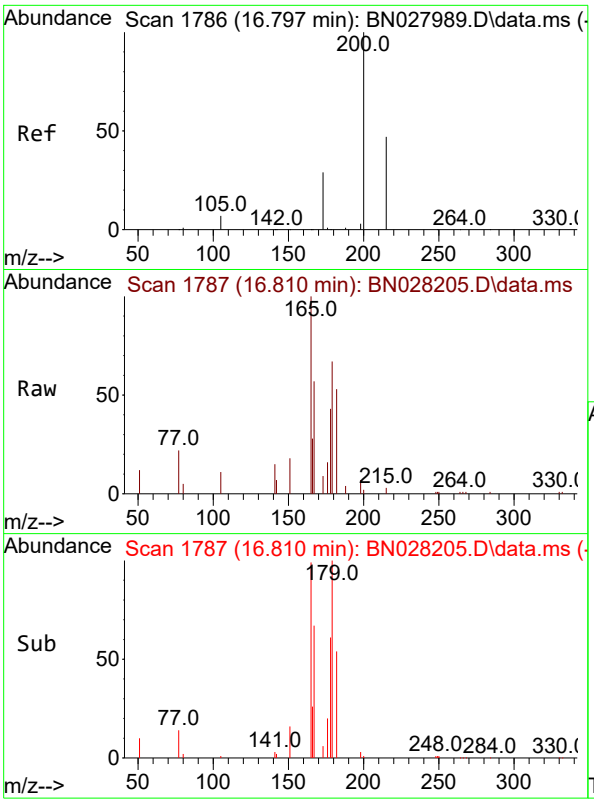


#20
4,6-Dinitro-2-methylphenol
Concen: 17.073 ng
RT: 16.773 min Scan# 1784
Delta R.T. -0.012 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:198 Resp: 3039

Ion	Ratio	Lower	Upper
198	100		
51	93.2	180.7	271.1#
105	123.0	222.2	333.2#



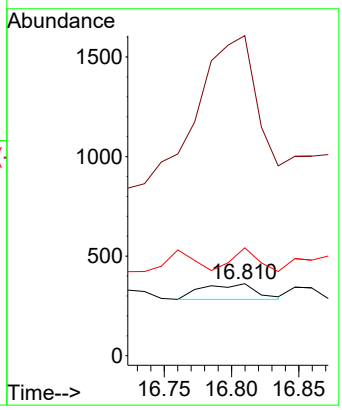


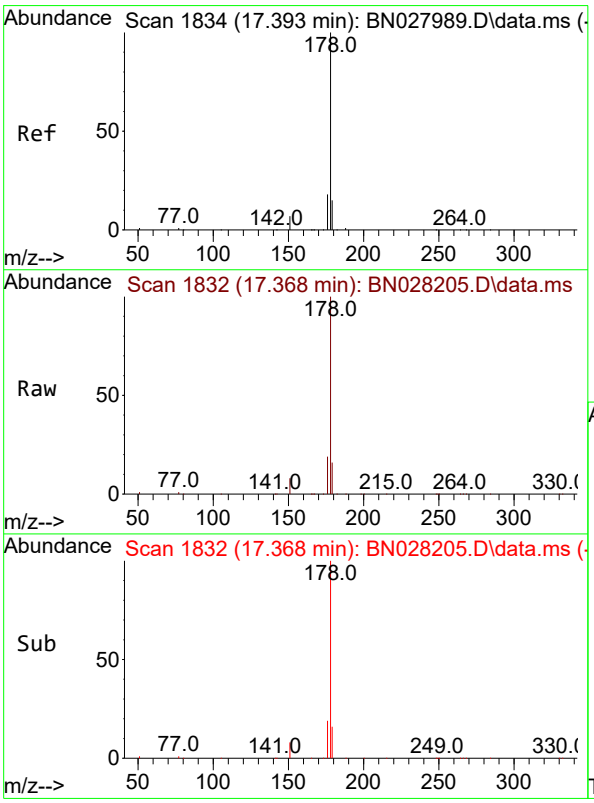
#23
Atrazine
Concen: 0.036 ng
RT: 16.810 min Scan# 1
Delta R.T. 0.025 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:200 Resp: 217

Ion	Ratio	Lower	Upper
200	100		
173	443.9	24.7	37.1#
215	149.7	39.0	58.6#

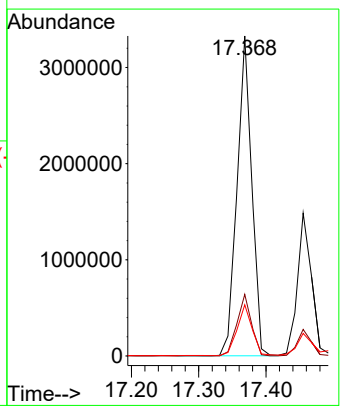


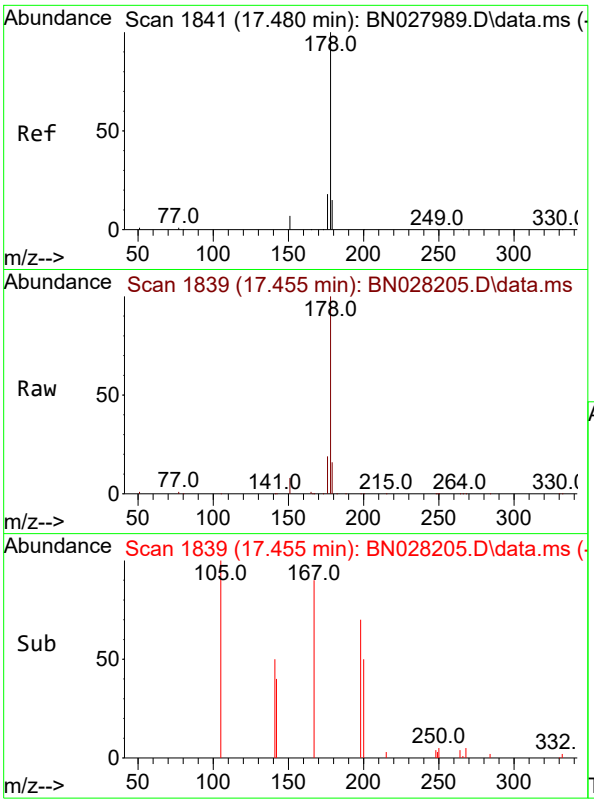


#25
Phenanthrene
Concen: 140.159 ng
RT: 17.368 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:178 Resp: 5060377

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	16.1	12.4	18.6



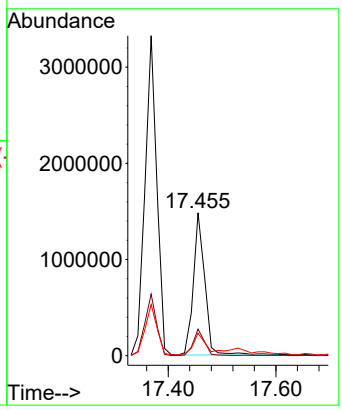


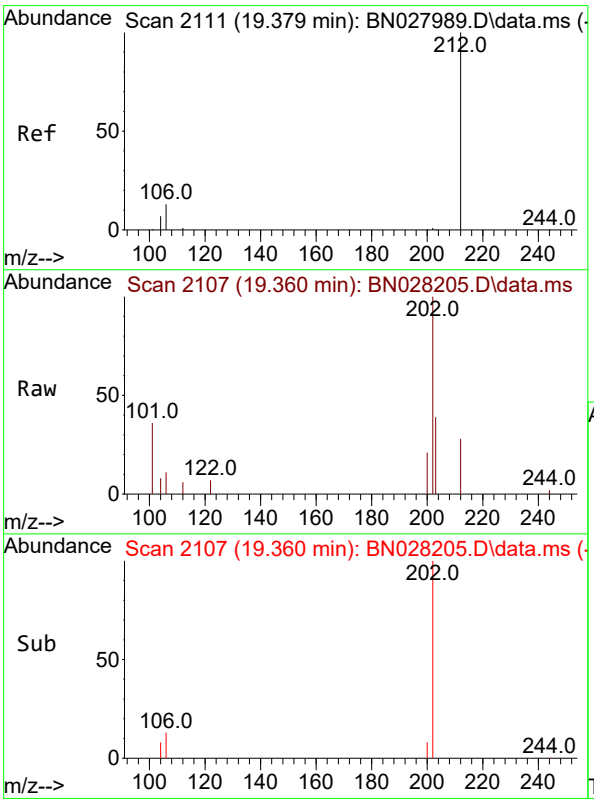
#26
Anthracene
Concen: 64.676 ng
RT: 17.455 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:178 Resp: 2207146

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	18.7	12.2	18.2#

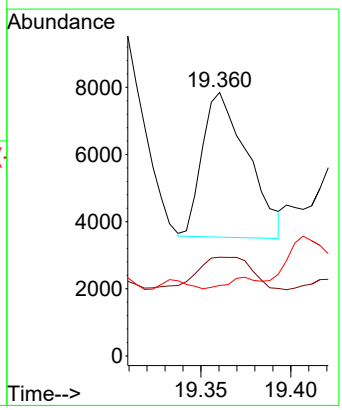


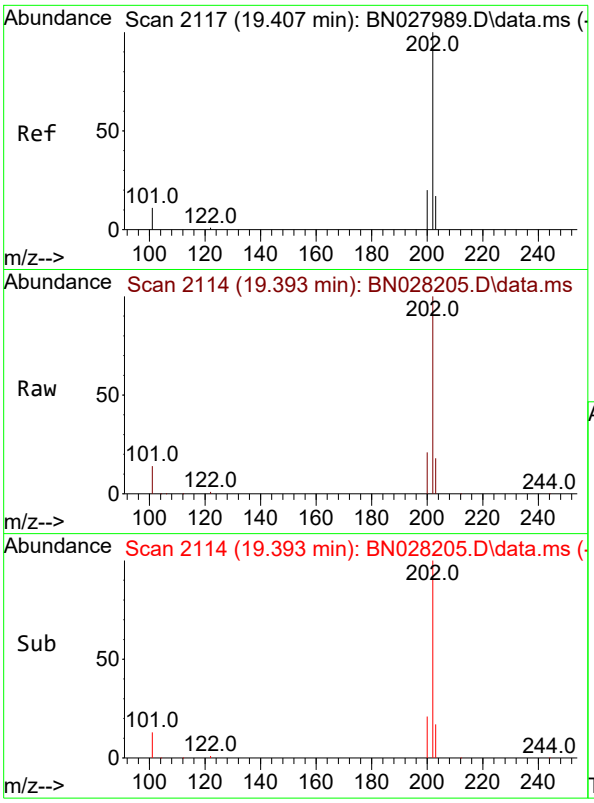


#27
Fluoranthene-d10
Concen: 0.225 ng
RT: 19.360 min Scan# 2107
Delta R.T. 0.005 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:212 Resp: 7565

Ion	Ratio	Lower	Upper
212	100		
106	27.1	11.3	16.9#
104	4.1	6.4	9.6#



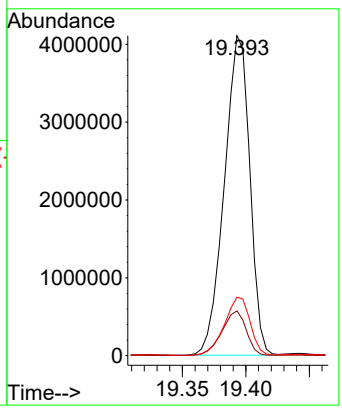


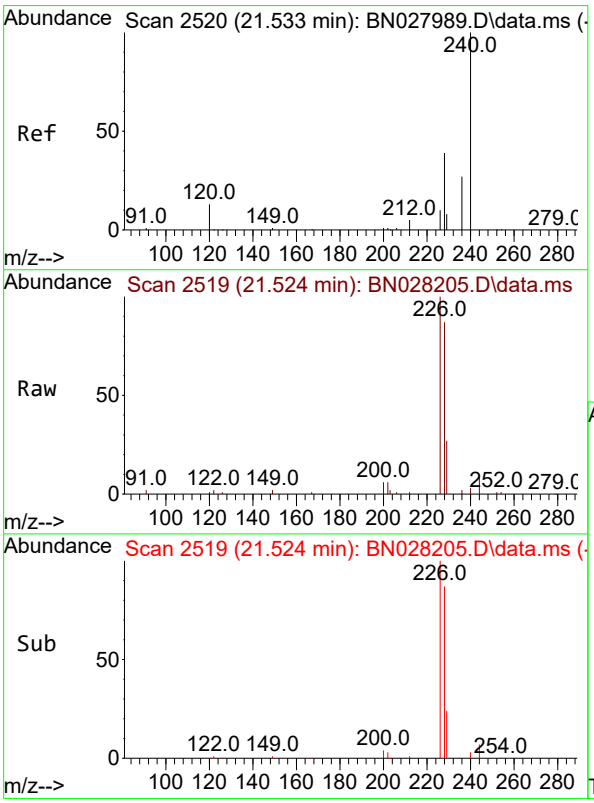
#28
Fluoranthene
Concen: 137.504 ng
RT: 19.393 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:202 Resp: 5729447

Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.8	14.6
203	18.2	13.8	20.8

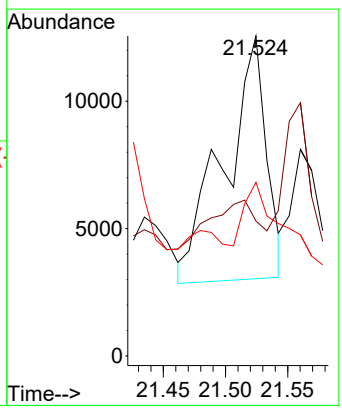


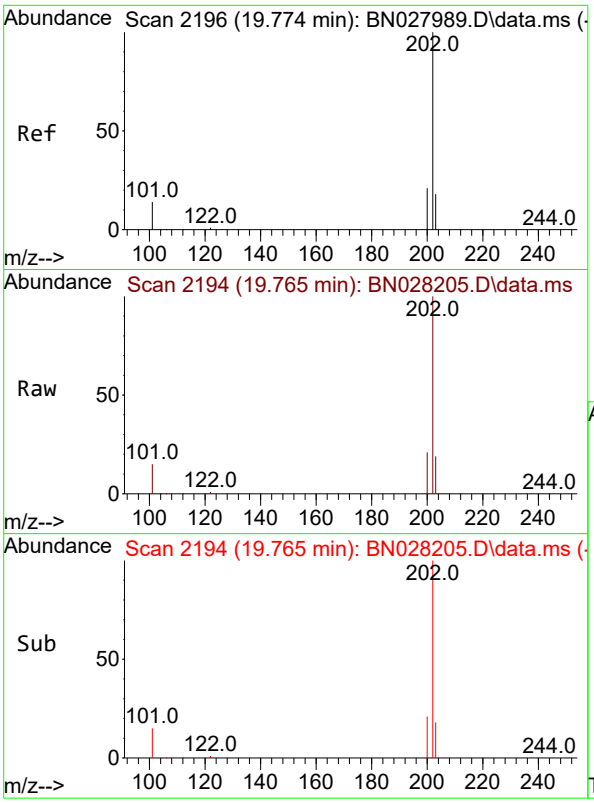


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.524 min Scan# 2519
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:240 Resp: 22427

Ion	Ratio	Lower	Upper
240	100		
120	42.2	13.8	20.6#
236	54.3	22.6	33.8#



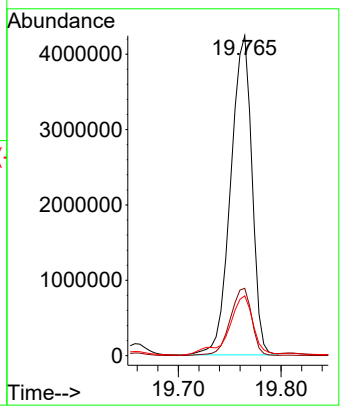


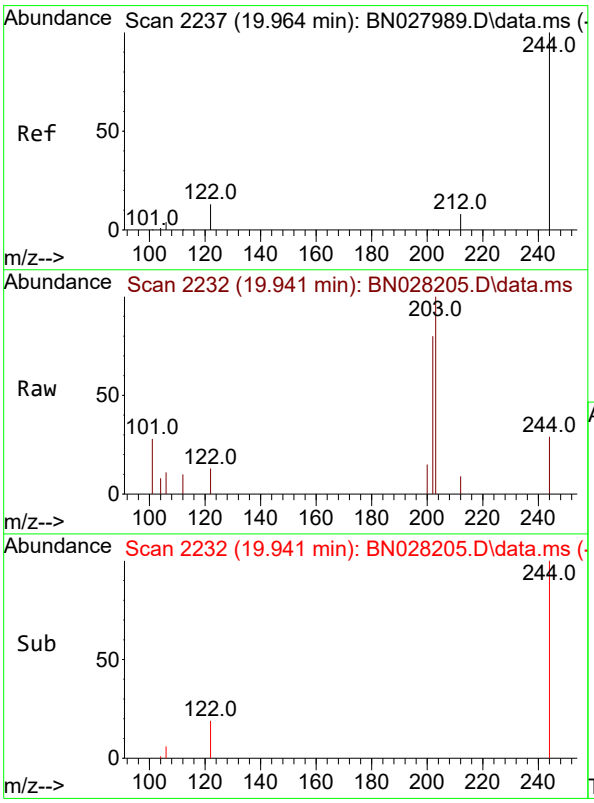
#30
Pyrene
Concen: 73.873 ng
RT: 19.765 min Scan# 2
Delta R.T. 0.014 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:202 Resp: 6075154

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.5	24.7
203	21.1	14.7	22.1

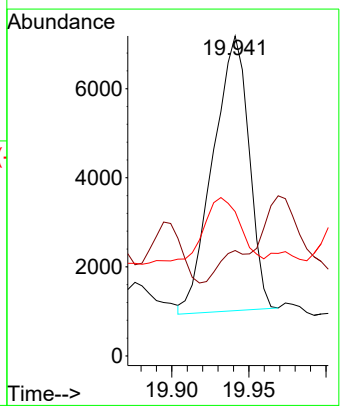


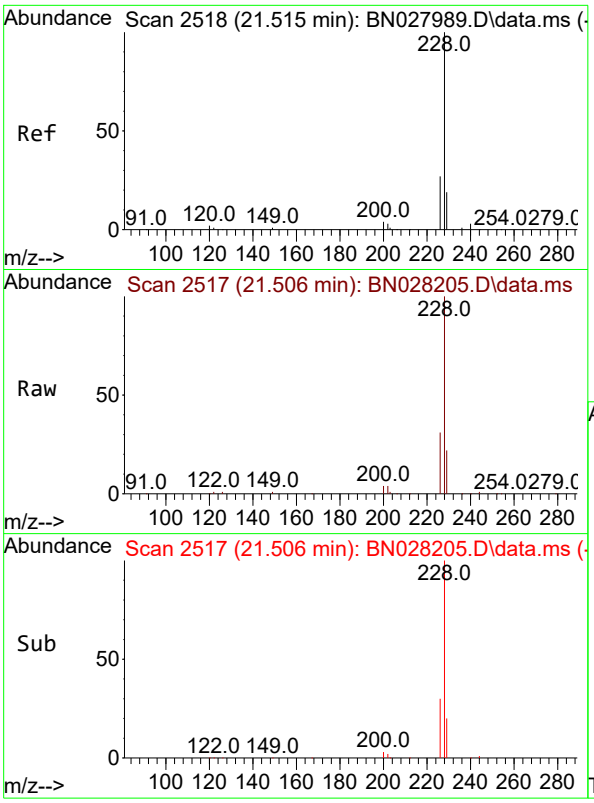


#31
Terphenyl-d14
Concen: 0.192 ng
RT: 19.941 min Scan# 2232
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:244 Resp: 10022

Ion	Ratio	Lower	Upper
244	100		
212	32.9	6.6	9.8#
122	45.1	11.4	17.0#



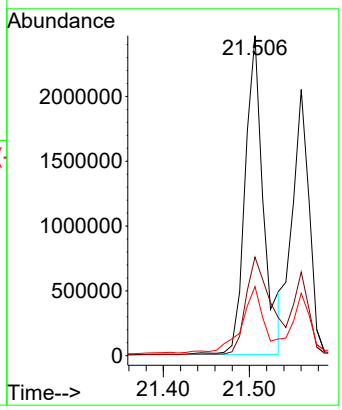


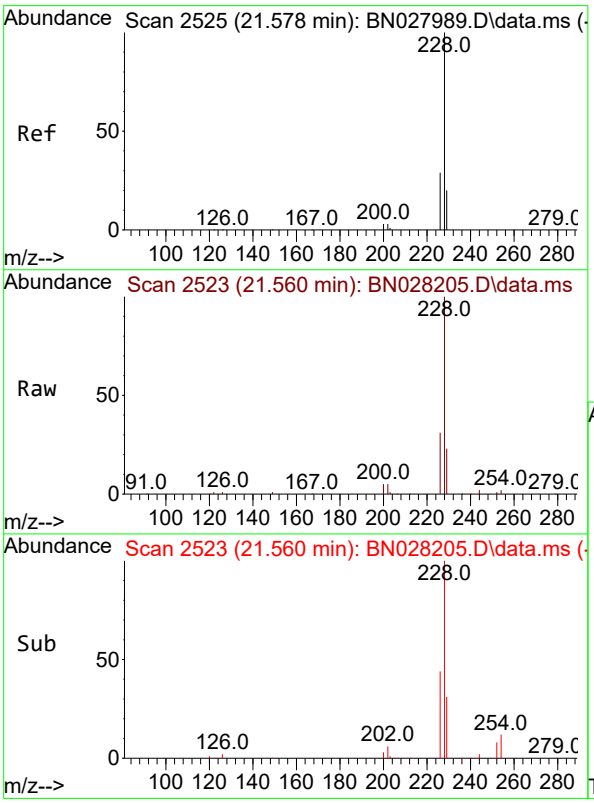
#32
Benzo(a)anthracene
Concen: 48.027 ng
RT: 21.506 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:228 Resp: 3665140

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.0	33.0
229	21.6	16.0	24.0

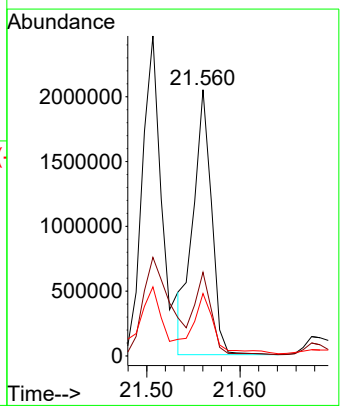


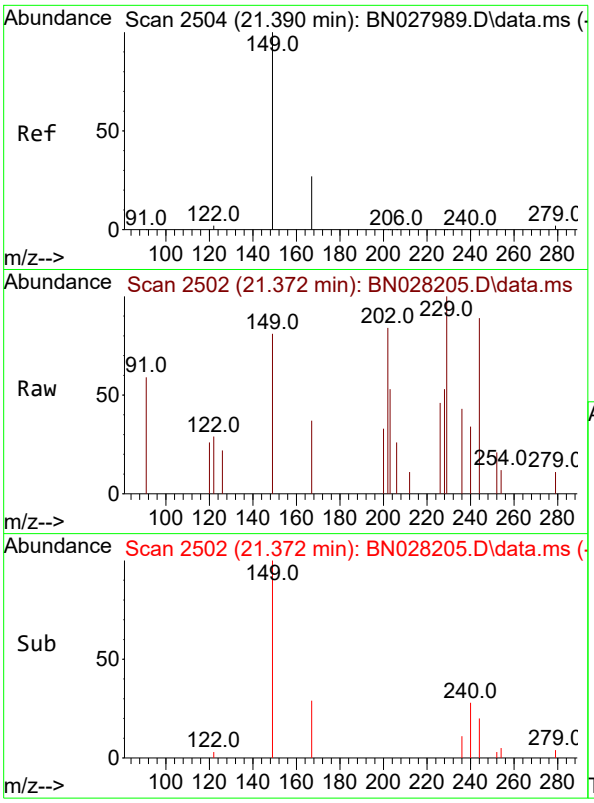


#33
Chrysene
Concen: 38.105 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:228 Resp: 2802411

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.8	35.8
229	23.4	16.6	25.0



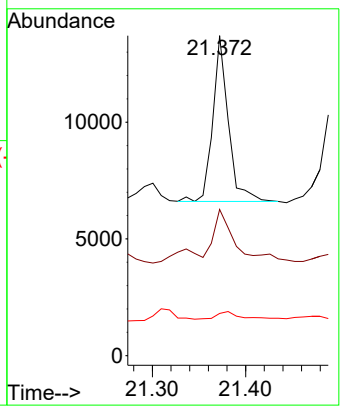


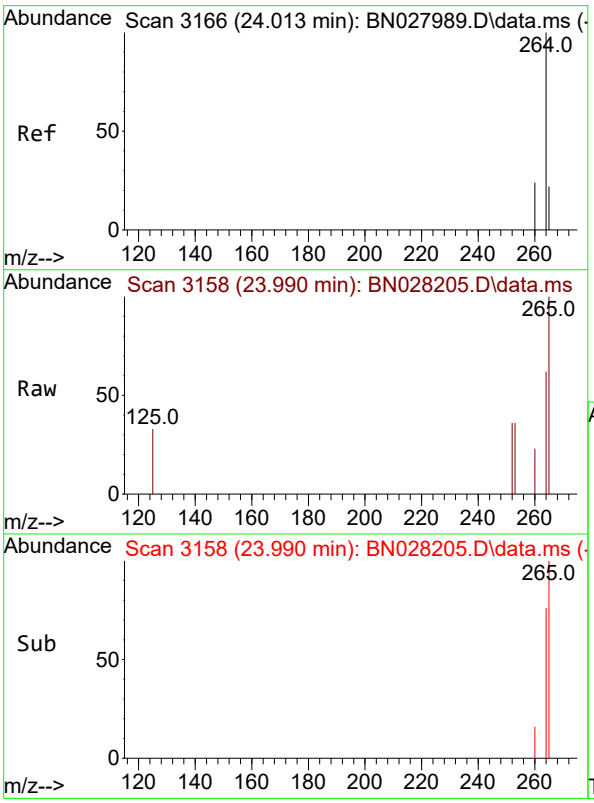
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.163 ng
RT: 21.372 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:149 Resp: 8185

Ion	Ratio	Lower	Upper
149	100		
167	38.4	22.1	33.1#
279	7.0	3.4	5.0#

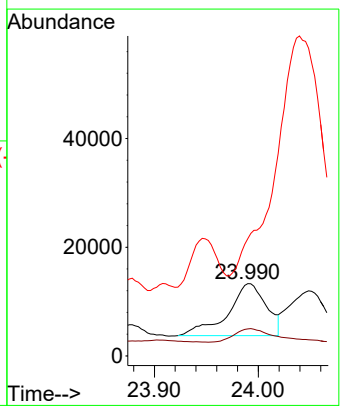


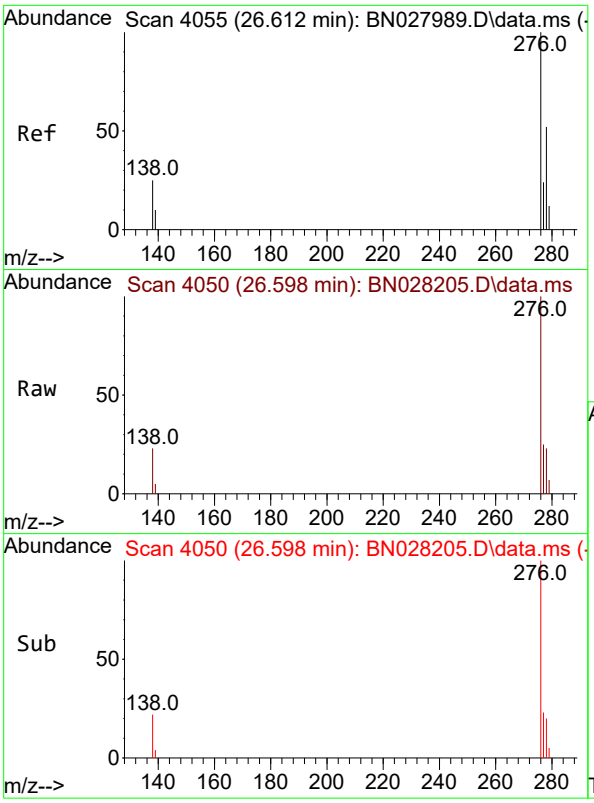


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.990 min Scan# 3158
Delta R.T. 0.015 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:264 Resp: 24640

Ion	Ratio	Lower	Upper
264	100		
260	37.4	20.2	30.4#
265	161.9	54.8	82.2#



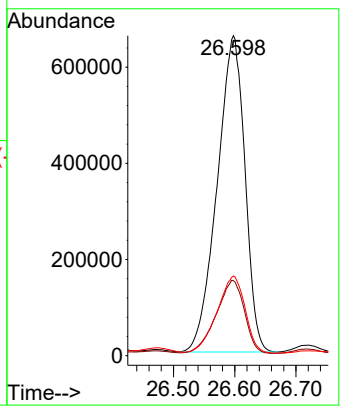


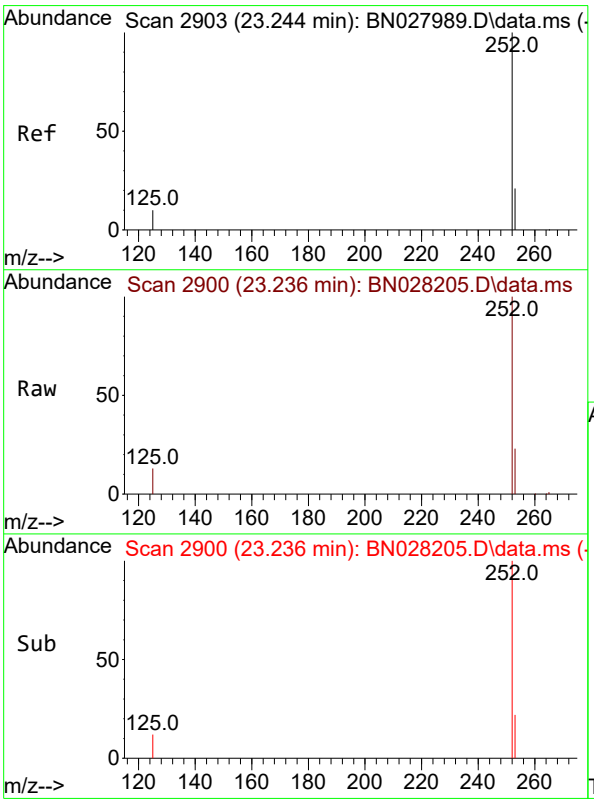
#36
Indeno(1,2,3-cd)pyrene
Concen: 24.989 ng
RT: 26.598 min Scan# 4
Delta R.T. 0.041 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:276 Resp: 2071105

Ion	Ratio	Lower	Upper
276	100		
138	23.6	20.9	31.3
277	24.7	19.8	29.6

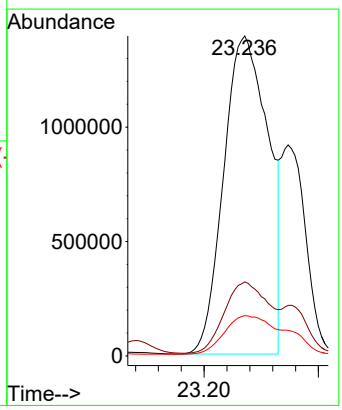


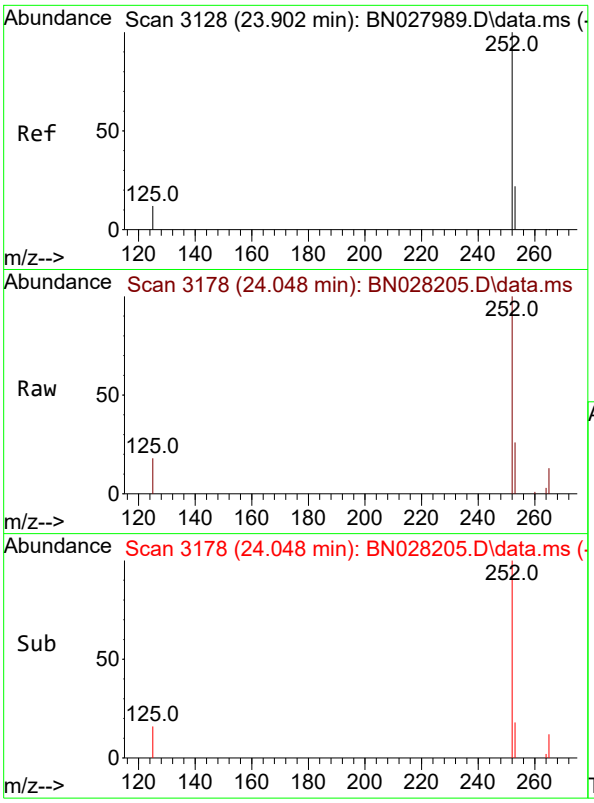


#37
Benzo(b)fluoranthene
Concen: 47.371 ng
RT: 23.236 min Scan# 2900
Delta R.T. 0.023 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:252 Resp: 3769711

Ion	Ratio	Lower	Upper
252	100		
253	23.2	22.9	34.3
125	12.6	13.8	20.8#



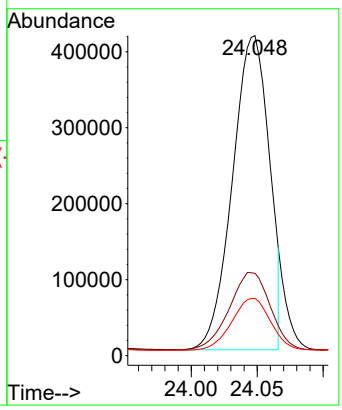


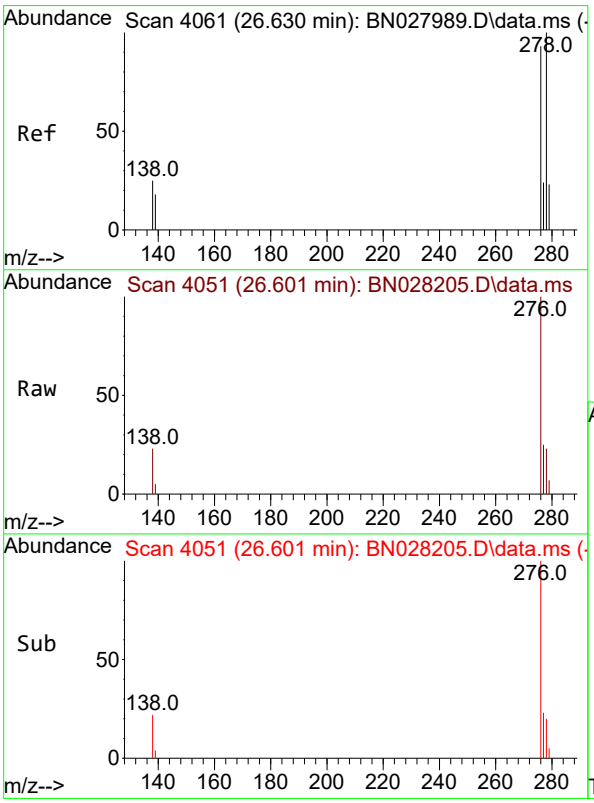
#39
Benzo(a)pyrene
Concen: 10.604 ng
RT: 24.048 min Scan# 3
Delta R.T. 0.184 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:252 Resp: 797909

Ion	Ratio	Lower	Upper
252	100		
253	25.8	25.0	37.4
125	17.9	16.6	24.8

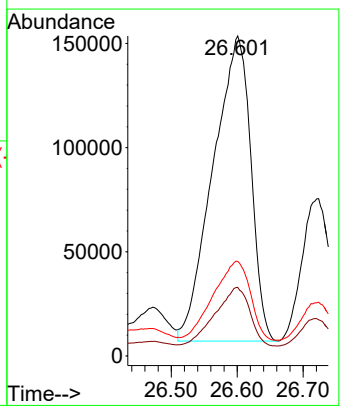


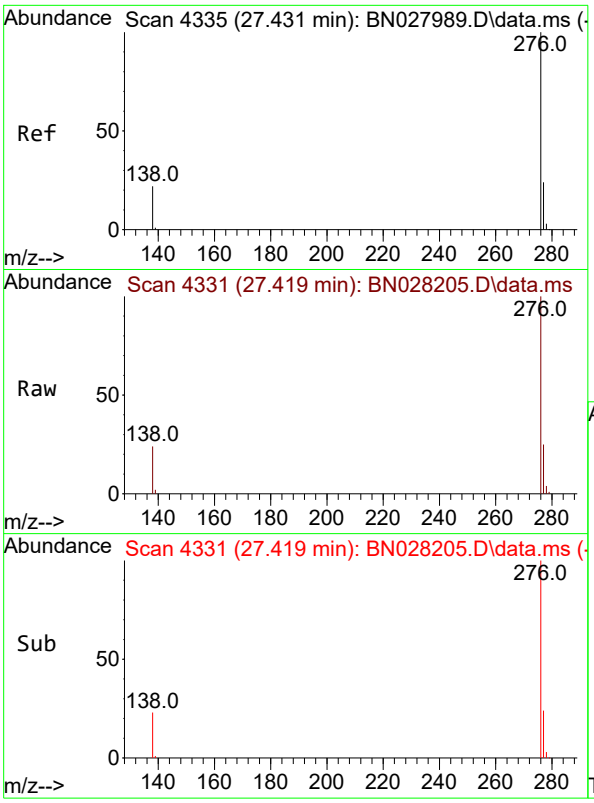


#40
Dibenzo(a,h)anthracene
Concen: 8.613 ng
RT: 26.601 min Scan# 4051
Delta R.T. 0.023 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Tgt Ion:278 Resp: 583959

Ion	Ratio	Lower	Upper
278	100		
139	21.4	17.7	26.5
279	29.5	25.2	37.8





#41
Benzo(g,h,i)perylene
Concen: 29.437 ng
RT: 27.419 min Scan# 4
Delta R.T. 0.053 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Tgt Ion:276 Resp: 2048575

Ion	Ratio	Lower	Upper
276	100		
277	24.6	22.1	33.1
138	23.6	20.8	31.2