Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110123\
Data File : BN028410.D
Acq On : 01 Nov 2023 21:10
Operator : MA/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Nov 02 06:04:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 02 05:58:06 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.727	152	10906	0.400	ng		0.00
7) Naphthalene-d8	10.511	136	31847	0.400	ng		0.00
13) Acenaphthene-d10	14.362	164	18675	0.400	ng		0.00
19) Phenanthrene-d10	17.108	188	41739	0.400	ng		#-0.01
29) Chrysene-d12	21.327	240	36307	0.400	ng		# 0.00
35) Perylene-d12	23.639	264	34782	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.300	112	81948	2.479	ng		0.00
5) Phenol-d6	6.889	99	106257	2.609	ng		0.00
8) Nitrobenzene-d5	8.877	82	64869	2.357	ng		0.00
11) 2-Methylnaphthalene-d10	12.113	152	147108	3.104	ng		0.00
14) 2,4,6-Tribromophenol	15.854	330	23937	2.732	ng		0.00
15) 2-Fluorobiphenyl	13.005	172	62684	1.044	ng		0.00
27) Fluoranthene-d10	19.156	212	335800	3.052	ng		0.00
31) Terphenyl-d14	19.769	244	233837	3.042	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	34487	2.655	ng		98
3) n-Nitrosodimethylamine	3.516	42	43251	3.038	ng		98
6) bis(2-Chloroethyl)ether	7.156	93	95425	2.951	ng		99
9) Naphthalene	10.564	128	273669	3.284	ng		100
10) Hexachlorobutadiene	10.863	225	44101	3.108	ng	#	99
12) 2-Methylnaphthalene	12.184	142	192690	3.270	ng		99
16) Acenaphthylene	14.085	152	302774	3.566	ng		100
17) Acenaphthene	14.427	154	191122	3.575	ng		97
18) Fluorene	15.421	166	258433	3.626	ng		99
20) 4,6-Dinitro-2-methylph...	15.485	198	13213	3.556	ng	#	77
21) 4-Bromophenyl-phenylether	16.313	248	77766	3.579	ng		93
22) Hexachlorobenzene	16.425	284	78710	3.504	ng		99
23) Atrazine	16.586	200	63746	3.220	ng		98
24) Pentachlorophenol	16.760	266	33818	3.306	ng		99
25) Phenanthrene	17.157	178	400037	3.452	ng		100
26) Anthracene	17.244	178	385871	3.498	ng		100
28) Fluoranthene	19.184	202	460000	3.204	ng		100
30) Pyrene	19.551	202	470019	3.669	ng		100
32) Benzo(a)anthracene	21.309	228	438548	3.374	ng		100
33) Chrysene	21.363	228	429721	3.404	ng		98
34) Bis(2-ethylhexyl)phtha...	21.274	149	231227	2.484	ng		100
36) Indeno(1,2,3-cd)pyrene	26.010	276	429111	3.087	ng		99
37) Benzo(b)fluoranthene	22.937	252	398129	3.583	ng		98
38) Benzo(k)fluoranthene	22.987	252	409764	3.618	ng		98
39) Benzo(a)pyrene	23.537	252	371282	3.399	ng		98
40) Dibenzo(a,h)anthracene	26.039	278	348348	3.090	ng		98
41) Benzo(g,h,i)perylene	26.738	276	360730	3.076	ng		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110123\
Data File : BN028410.D
Acq On : 01 Nov 2023 21:10
Operator : MA/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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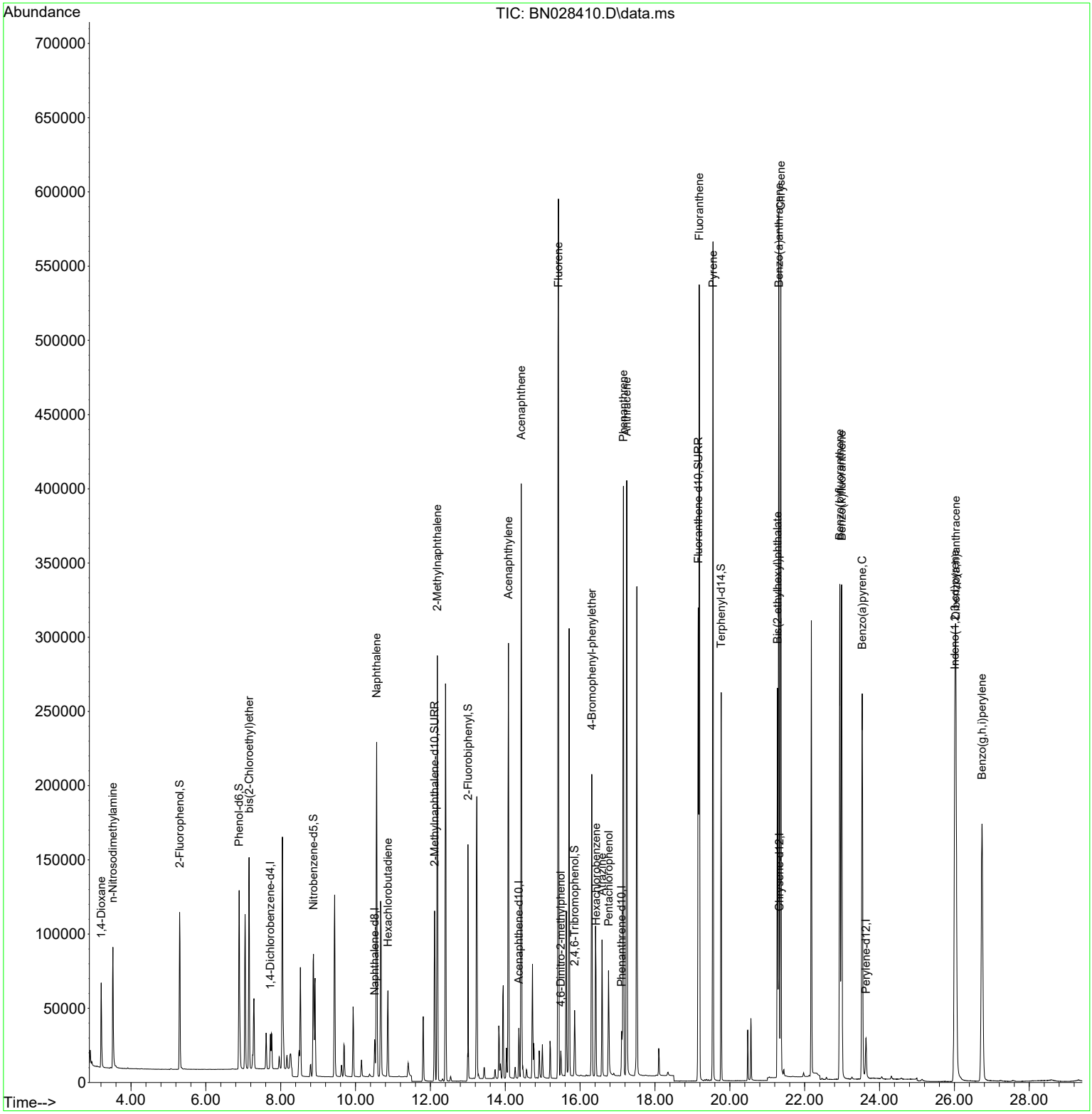
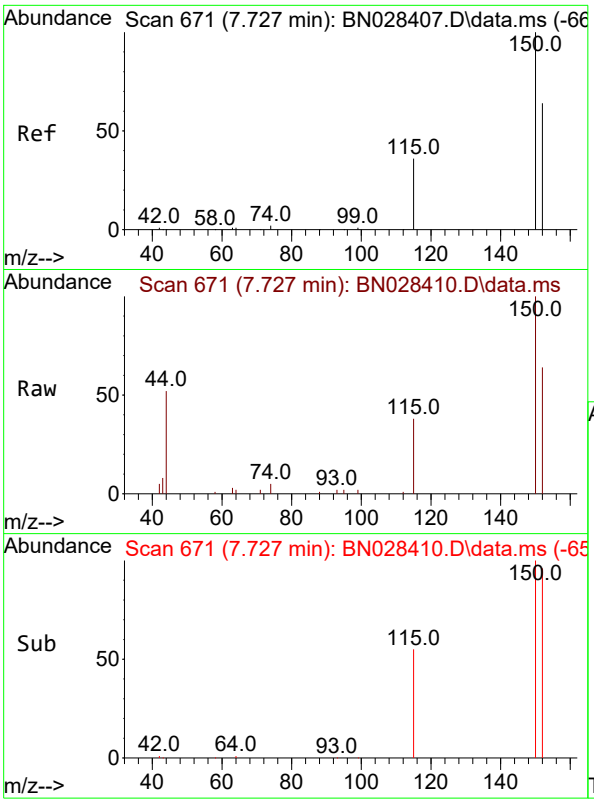
Quant Time: Nov 02 06:04:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 02 05:58:06 2023
Response via : Initial Calibration



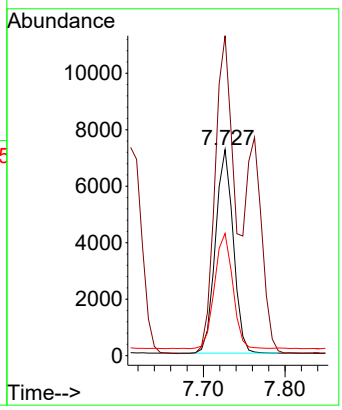


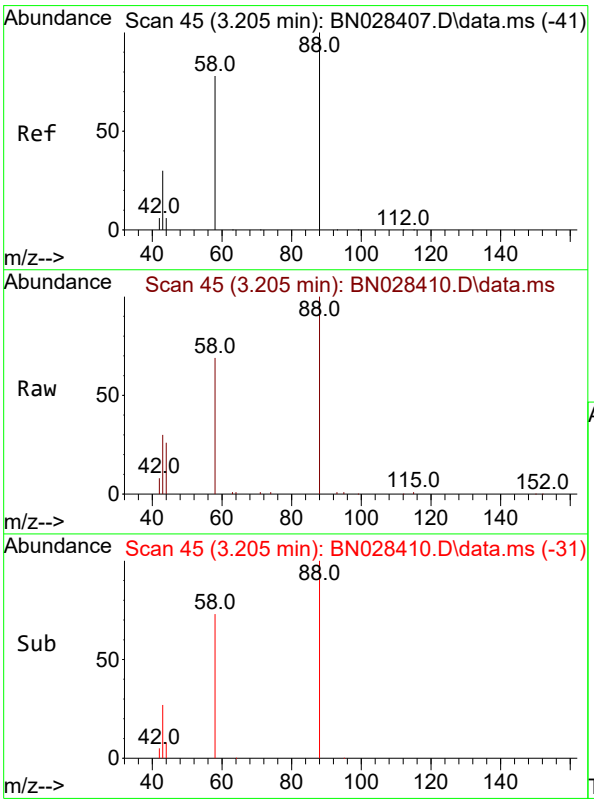
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.727 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 10906

Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.8	185.6
115	59.3	47.0	70.6

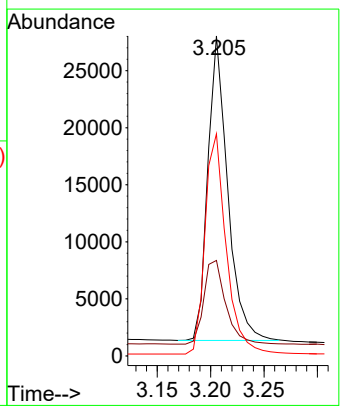


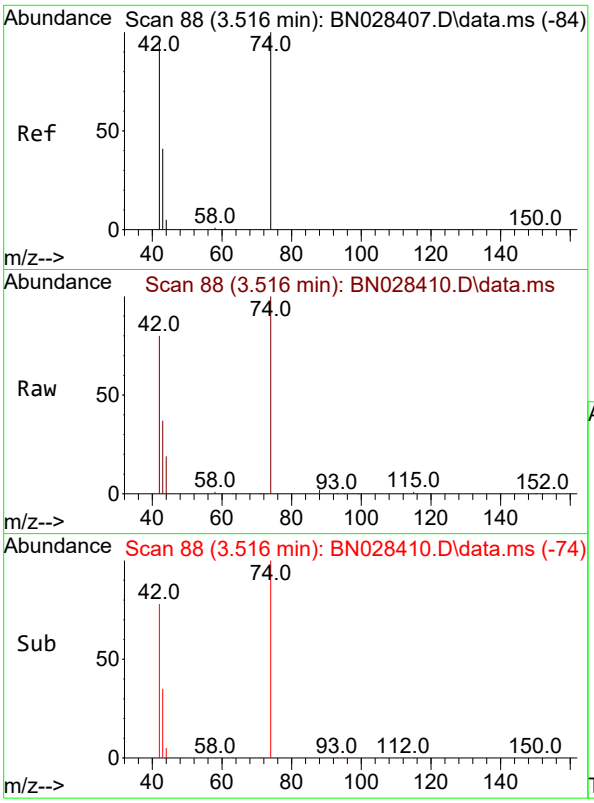


#2
1,4-Dioxane
Concen: 2.655 ng
RT: 3.205 min Scan# 45
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion: 88 Resp: 34487

Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.3	36.5
58	77.1	59.8	89.6



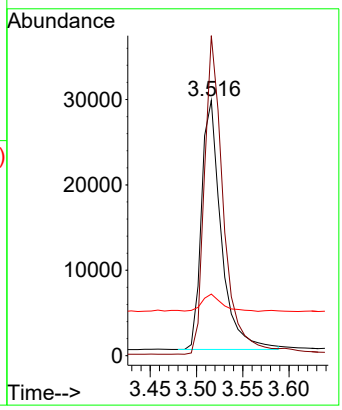


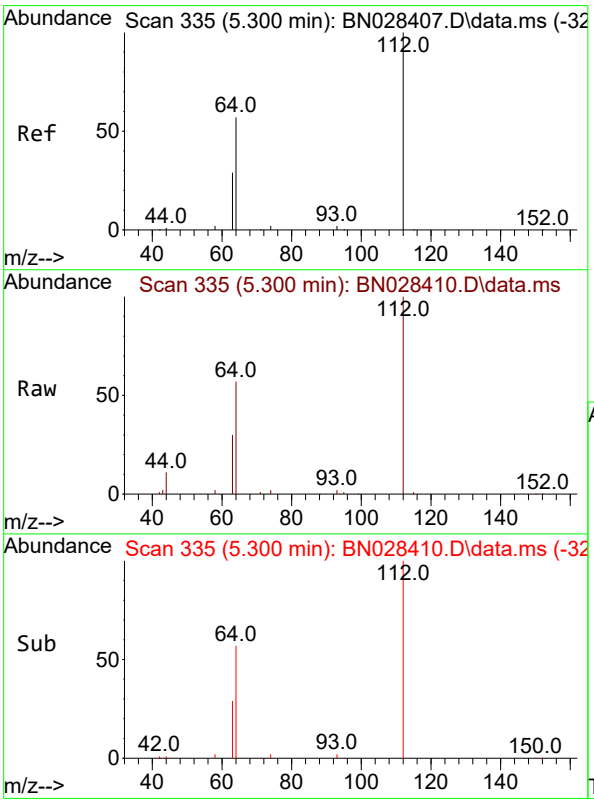
#3
n-Nitrosodimethylamine
Concen: 3.038 ng
RT: 3.516 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 43251

Ion	Ratio	Lower	Upper
42	100		
74	123.1	100.3	150.5
44	6.8	6.2	9.2

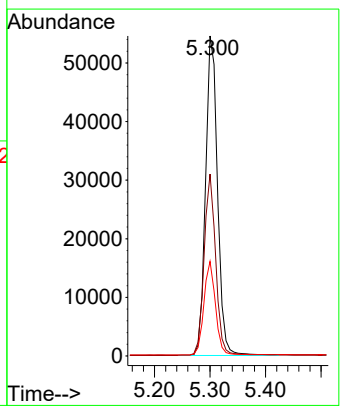


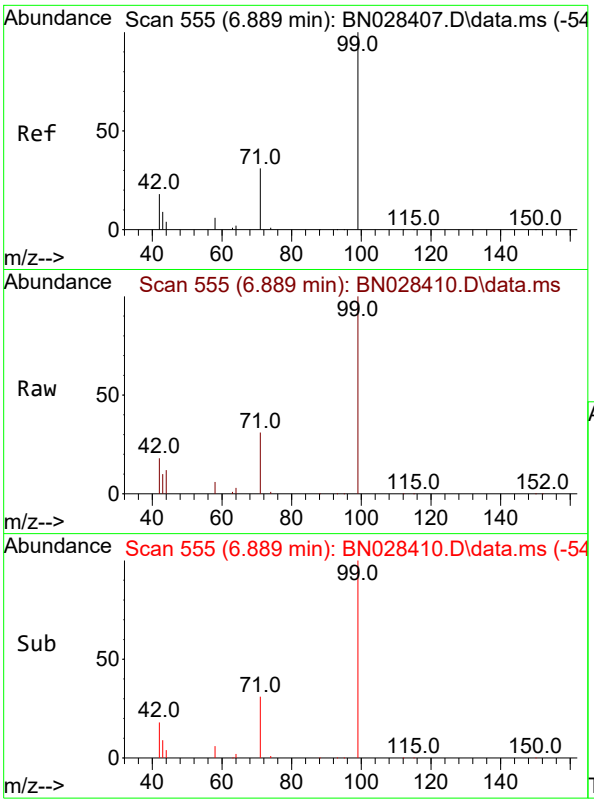


#4
2-Fluorophenol
Concen: 2.479 ng
RT: 5.300 min Scan# 335
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:112 Resp: 81948

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.3	66.5
63	28.3	22.6	33.8



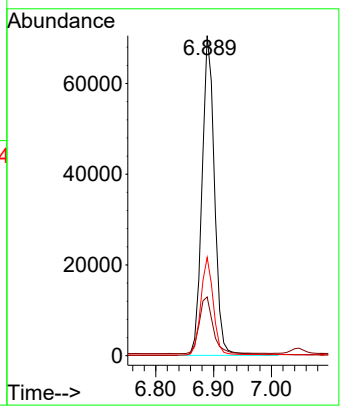


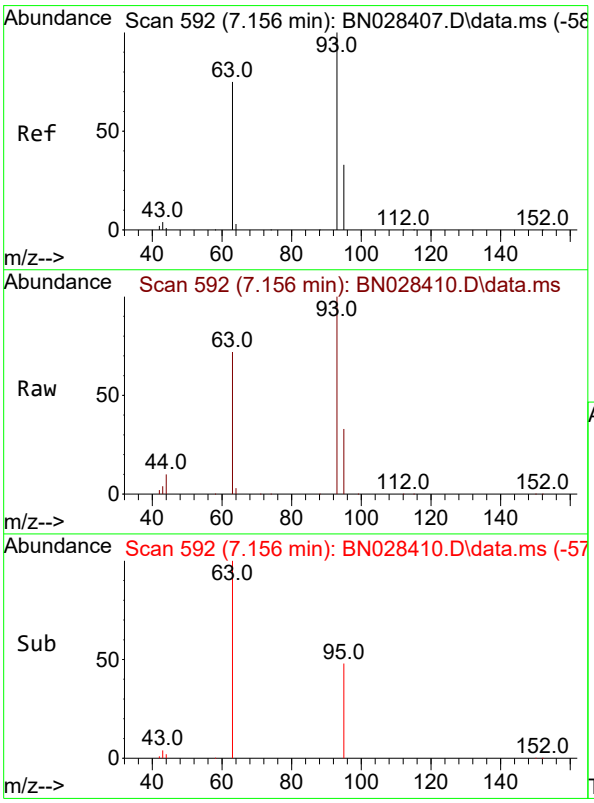
#5
Phenol-d6
Concen: 2.609 ng
RT: 6.889 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 106257

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.4	23.0
71	30.4	24.4	36.6

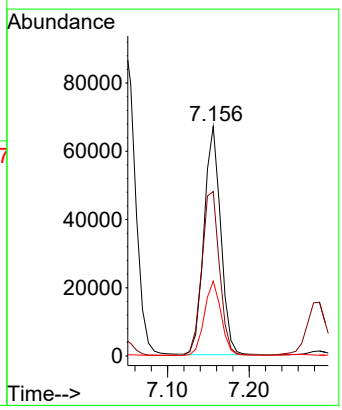


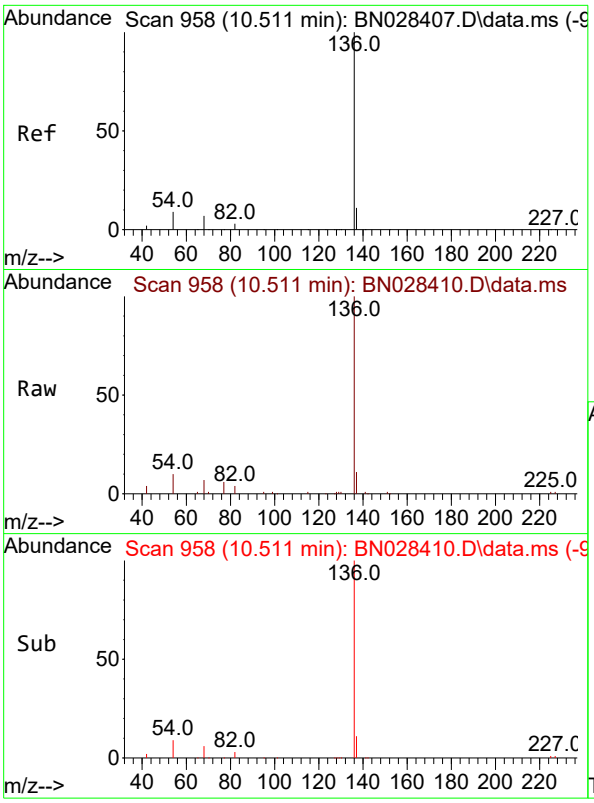


#6
bis(2-Chloroethyl)ether
Concen: 2.951 ng
RT: 7.156 min Scan# 592
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion: 93 Resp: 95425

Ion	Ratio	Lower	Upper
93	100		
63	76.1	61.4	92.0
95	32.7	26.1	39.1



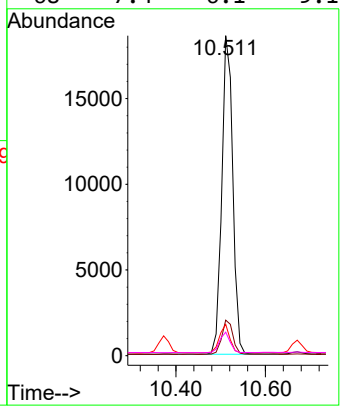


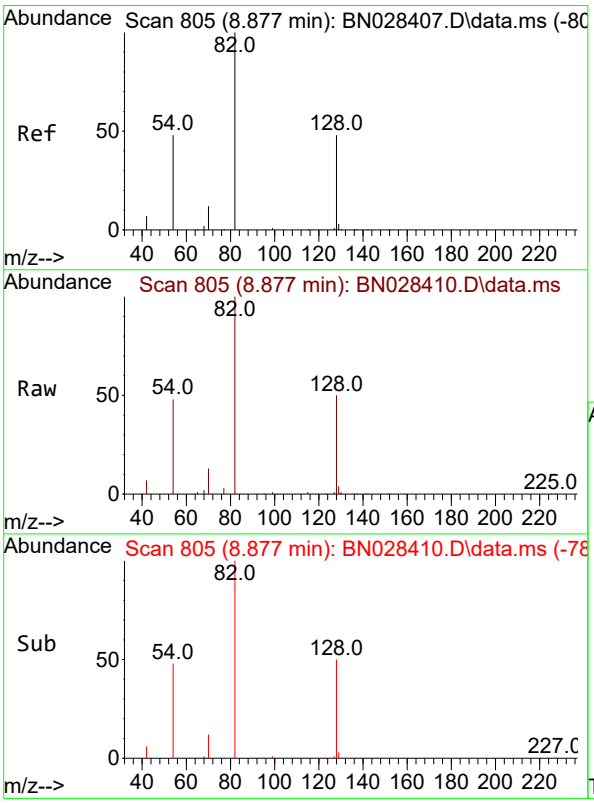
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.511 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 31847

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.8	7.9	11.9
68	7.4	6.1	9.1

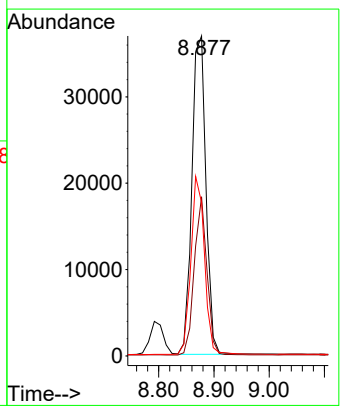


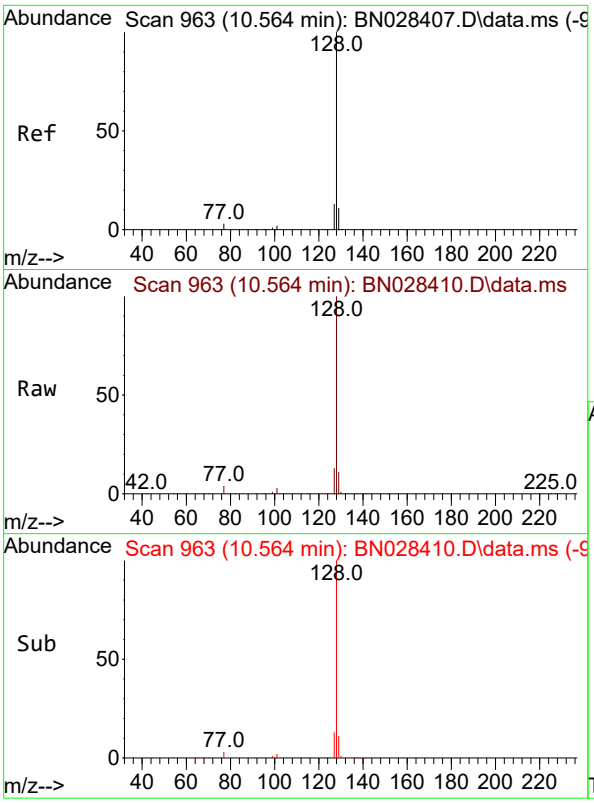


#8
Nitrobenzene-d5
Concen: 2.357 ng
RT: 8.877 min Scan# 805
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion: 82 Resp: 64869

Ion	Ratio	Lower	Upper
82	100		
128	49.7	38.8	58.2
54	48.0	40.3	60.5



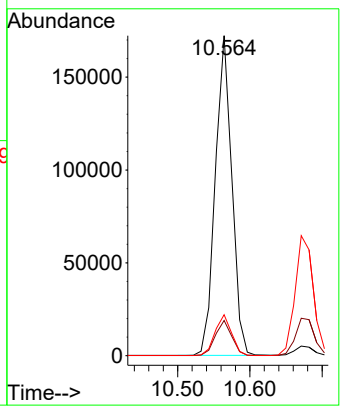


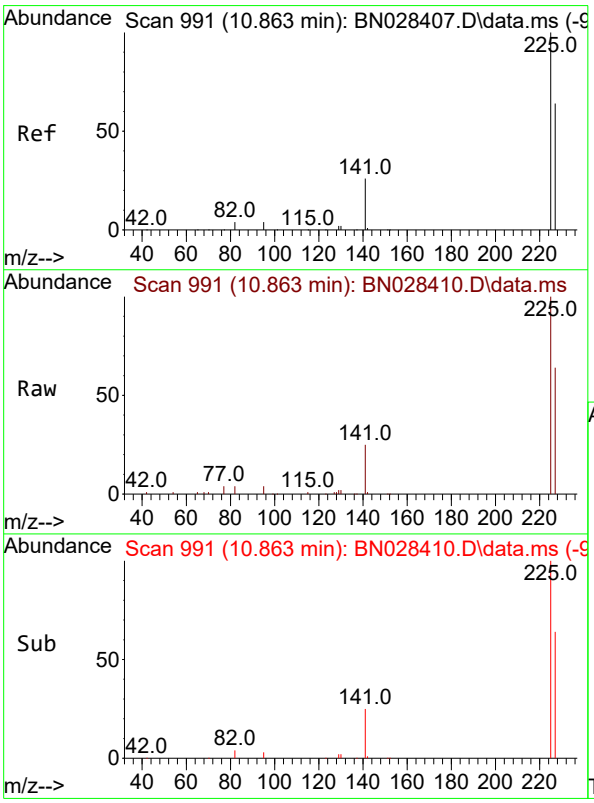
#9
Naphthalene
Concen: 3.284 ng
RT: 10.564 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 273669

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.8	10.4	15.6

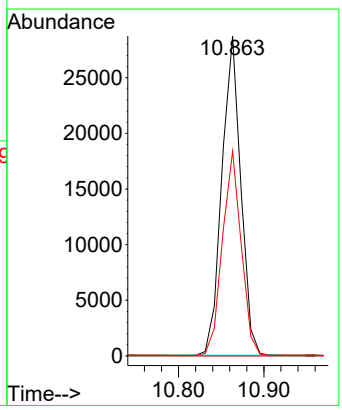


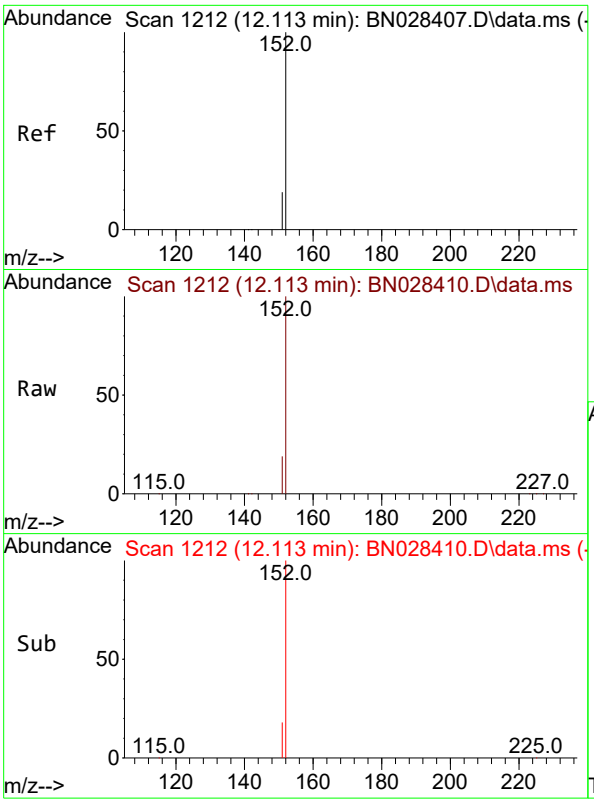


#10
Hexachlorobutadiene
Concen: 3.108 ng
RT: 10.863 min Scan# 991
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:225 Resp: 44101

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.4	77.0



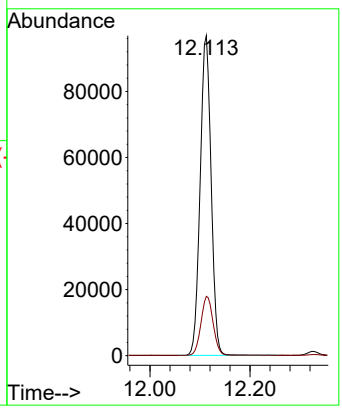


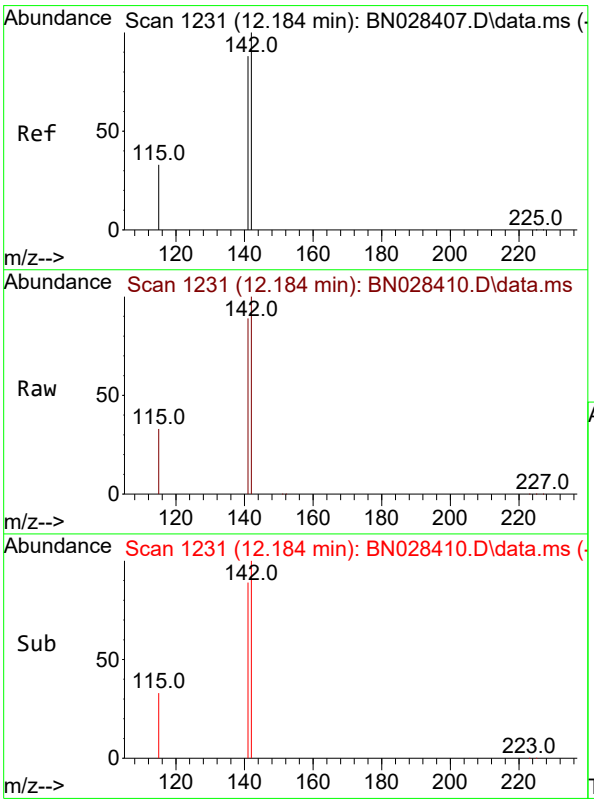
#11
2-Methylnaphthalene-d10
Concen: 3.104 ng
RT: 12.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 147108

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6

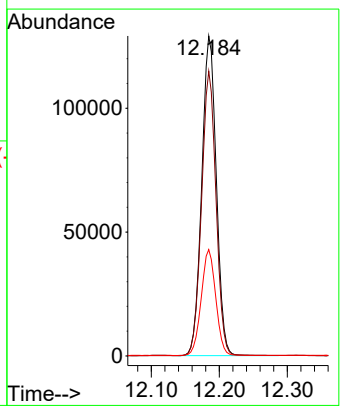


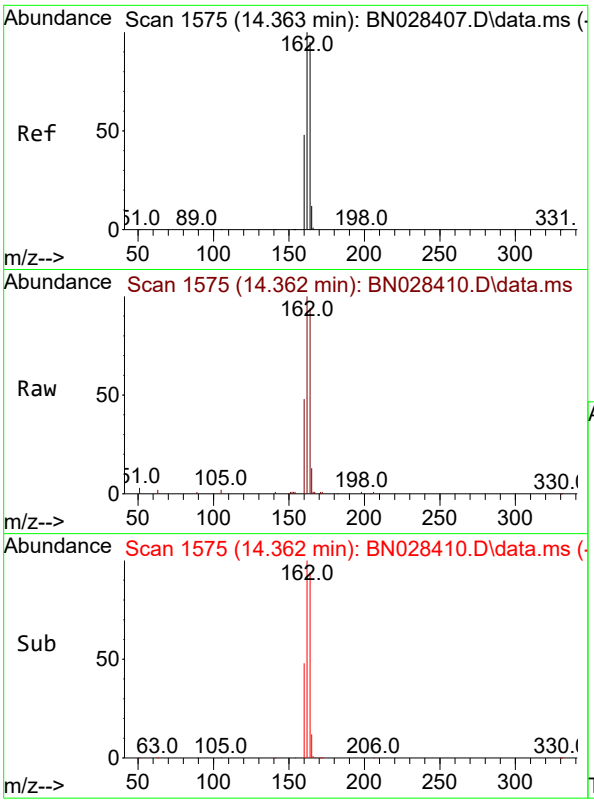


#12
2-Methylnaphthalene
Concen: 3.270 ng
RT: 12.184 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:142 Resp: 192690

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.7	106.1
115	33.2	27.6	41.4



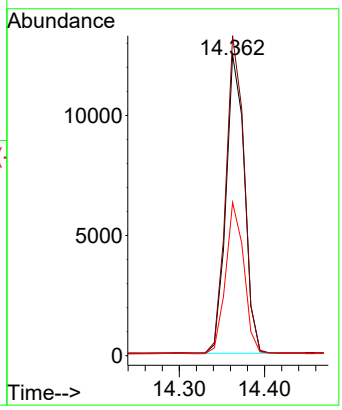


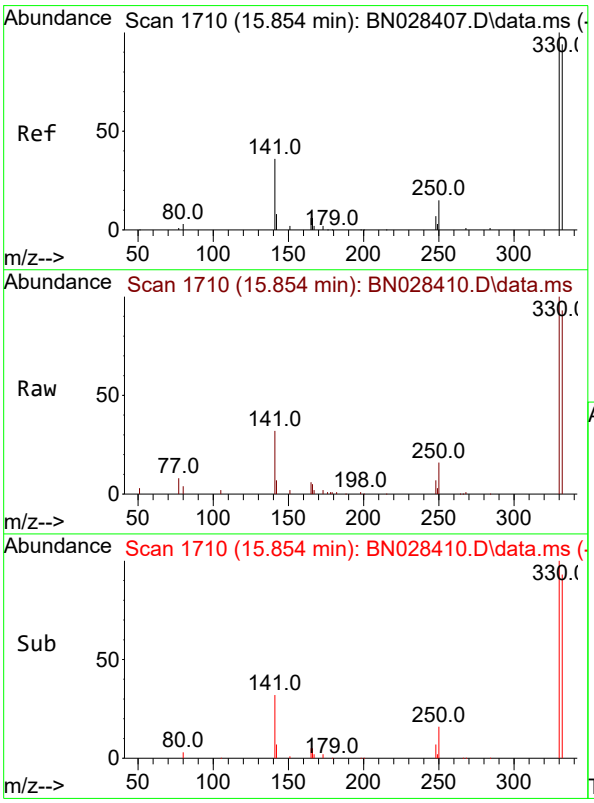
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.362 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 18675

Ion	Ratio	Lower	Upper
164	100		
162	106.3	84.6	127.0
160	50.9	41.3	61.9

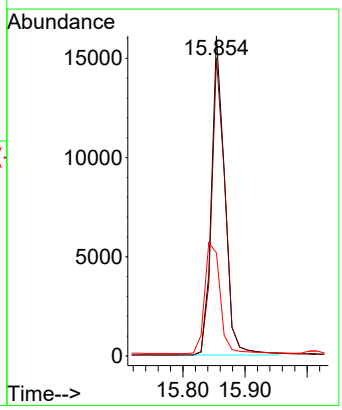


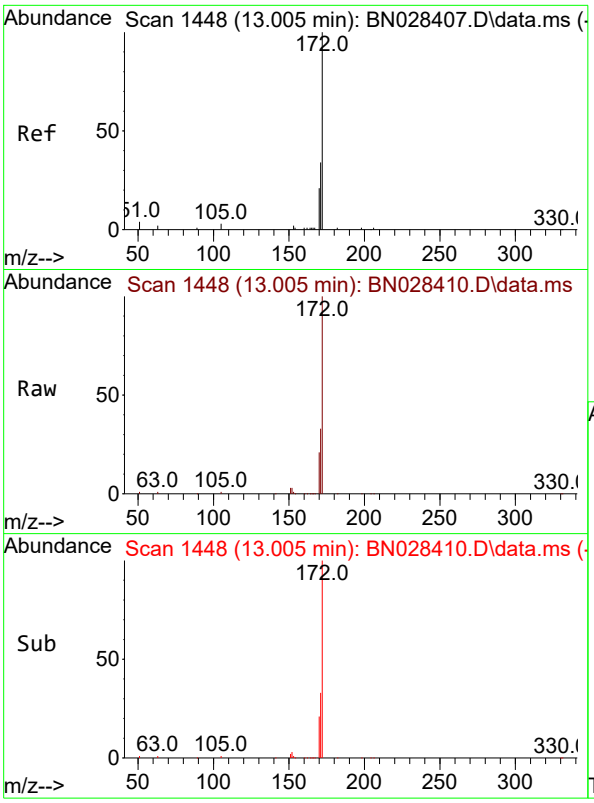


#14
2,4,6-Tribromophenol
Concen: 2.732 ng
RT: 15.854 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:330 Resp: 23937

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.2	114.2
141	40.9	32.8	49.2



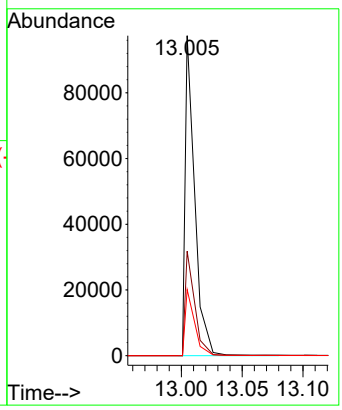


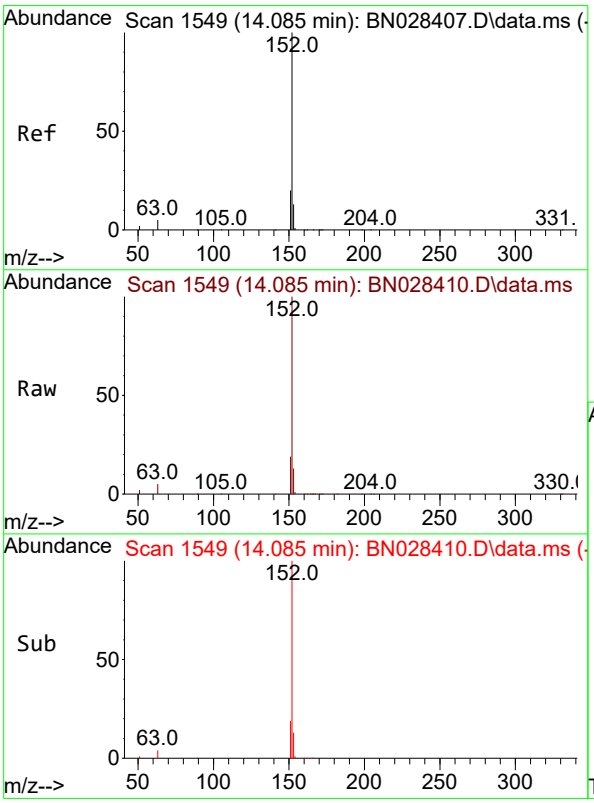
#15
2-Fluorobiphenyl
Concen: 1.044 ng
RT: 13.005 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 62684

Ion	Ratio	Lower	Upper
172	100		
171	32.6	27.2	40.8
170	20.6	17.1	25.7

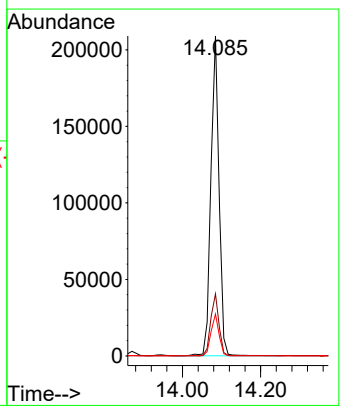


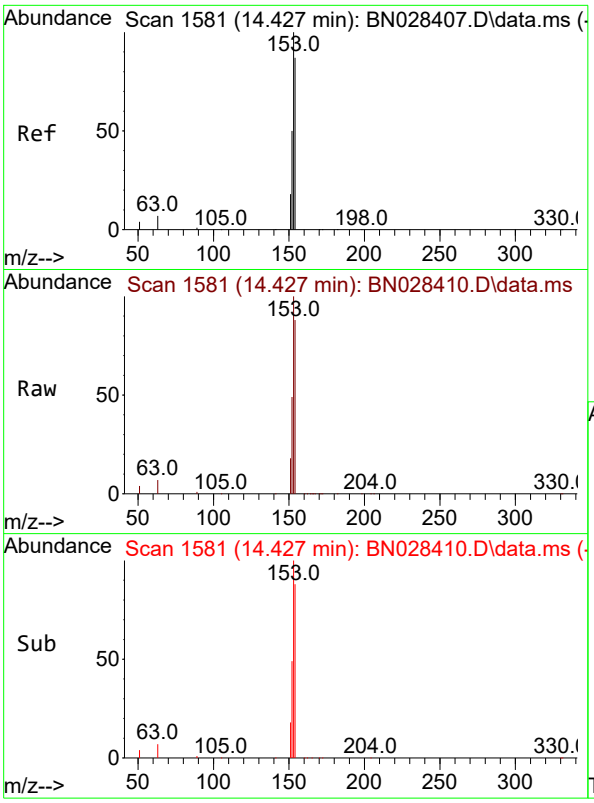


#16
Acenaphthylene
Concen: 3.566 ng
RT: 14.085 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:152 Resp: 302774

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.0	10.5	15.7



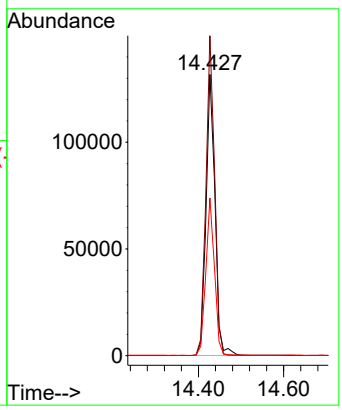


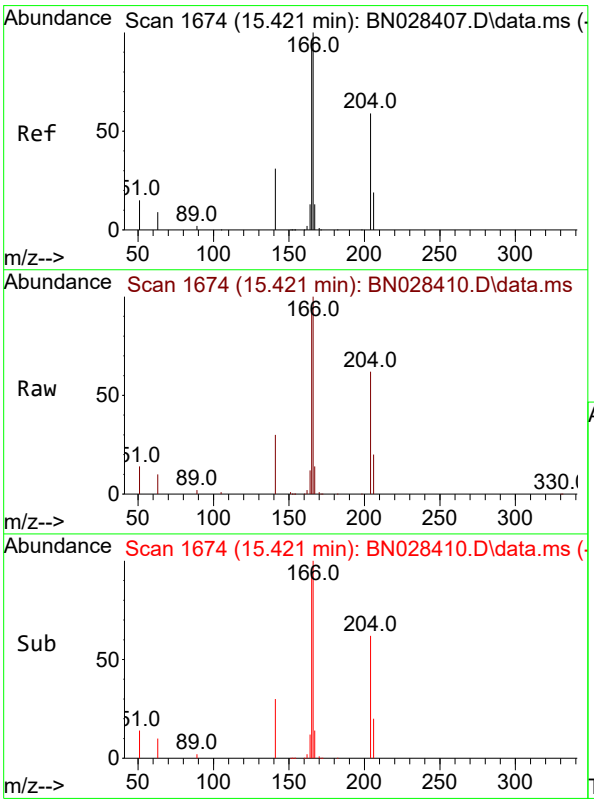
#17
Acenaphthene
Concen: 3.575 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 191122

Ion	Ratio	Lower	Upper
154	100		
153	110.6	90.5	135.7
152	54.5	45.8	68.6

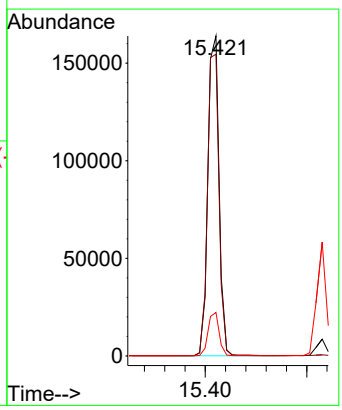


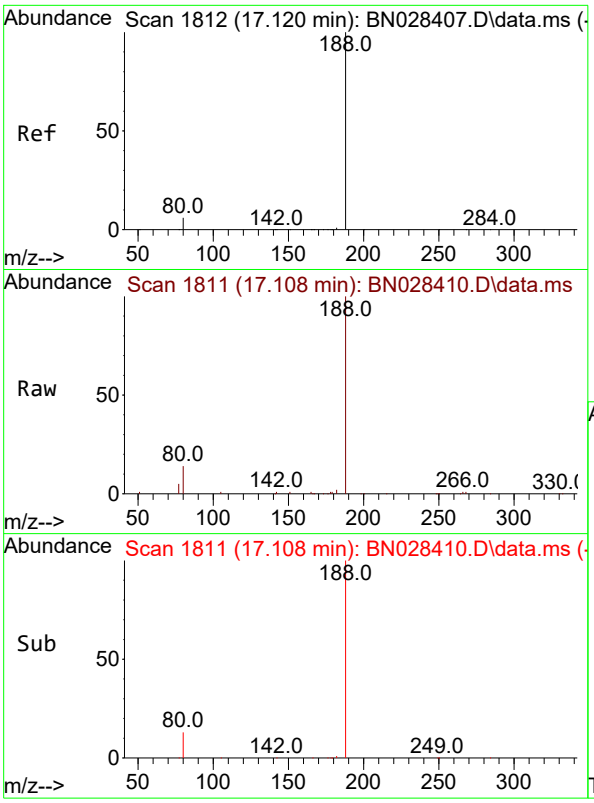


#18
Fluorene
Concen: 3.626 ng
RT: 15.421 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:166 Resp: 258433

Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.2	118.8
167	13.4	10.6	16.0



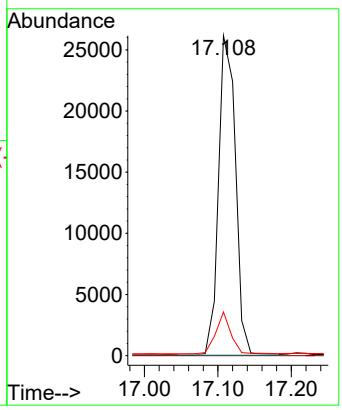


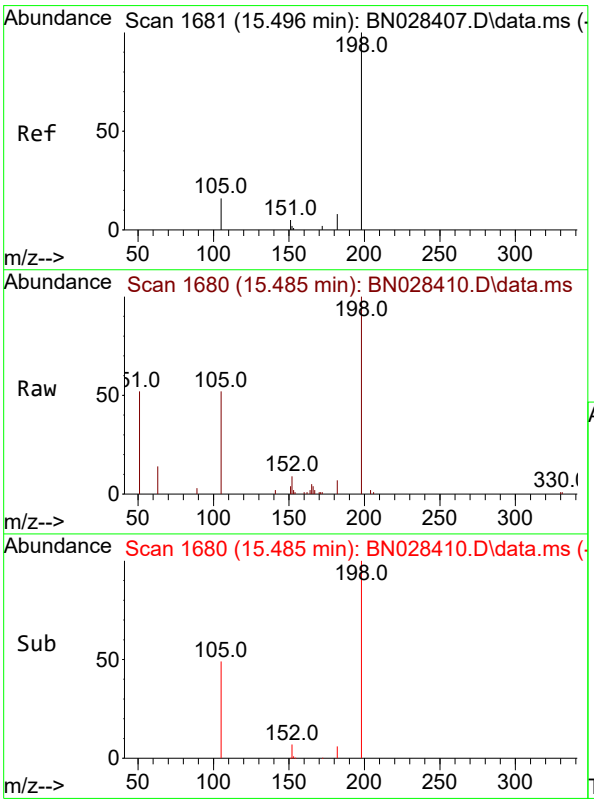
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.108 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 41739

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	5.3	7.9#

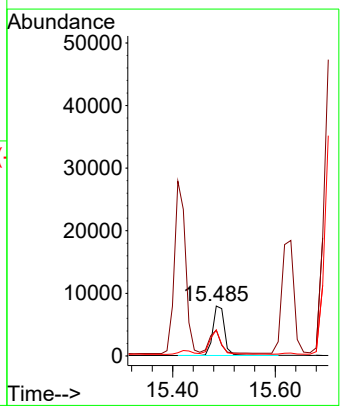


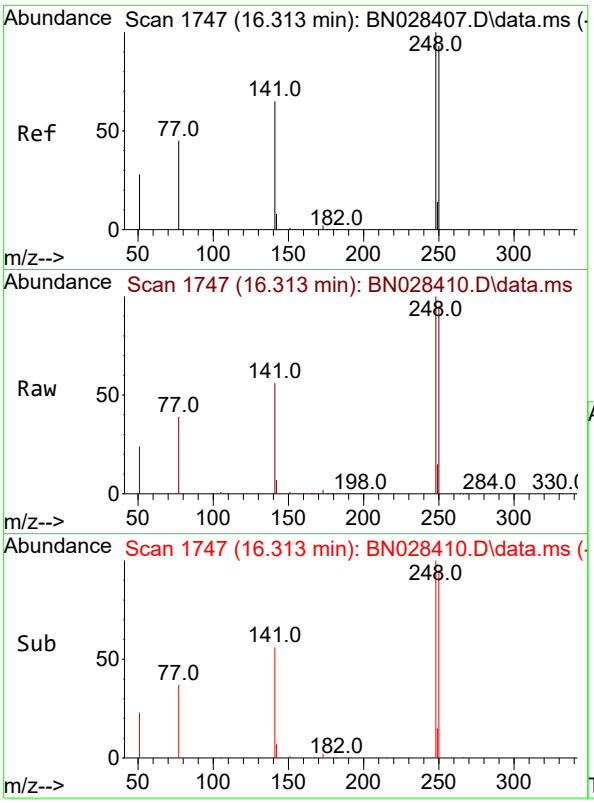


#20
4,6-Dinitro-2-methylphenol
Concen: 3.556 ng
RT: 15.485 min Scan# 1680
Delta R.T. -0.011 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:198 Resp: 13213

Ion	Ratio	Lower	Upper
198	100		
51	51.6	63.3	94.9#
105	52.1	50.0	75.0



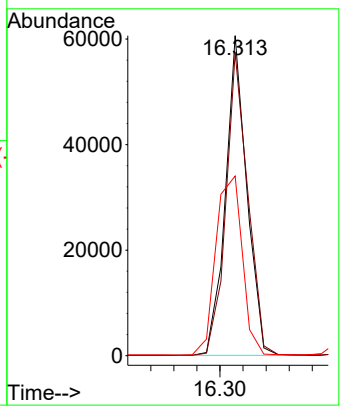


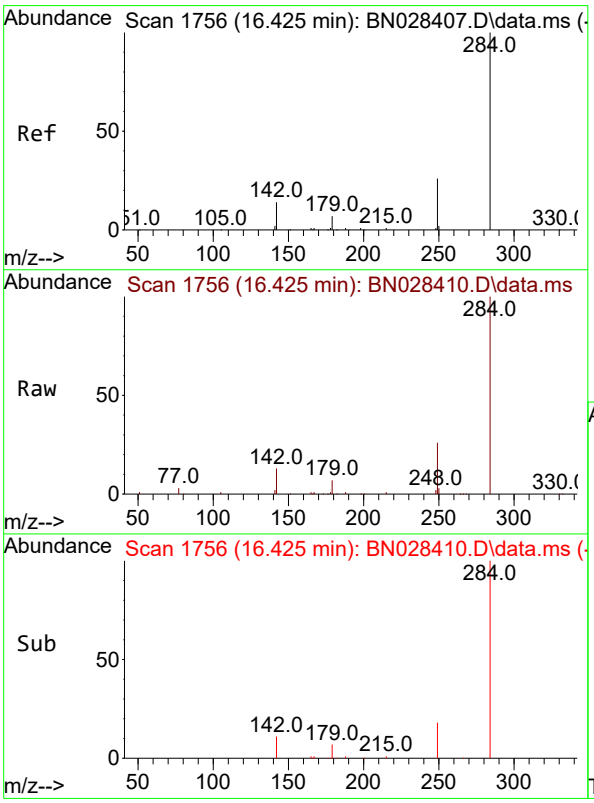
#21
4-Bromophenyl-phenylether
Concen: 3.579 ng
RT: 16.313 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 77766

Ion	Ratio	Lower	Upper
248	100		
250	94.8	74.6	111.8
141	56.1	53.4	80.2

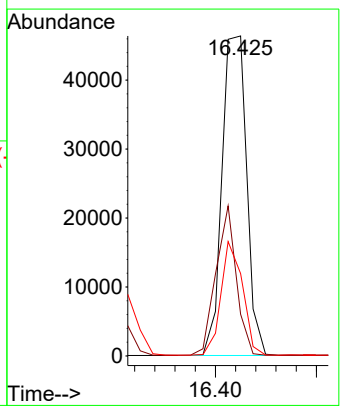


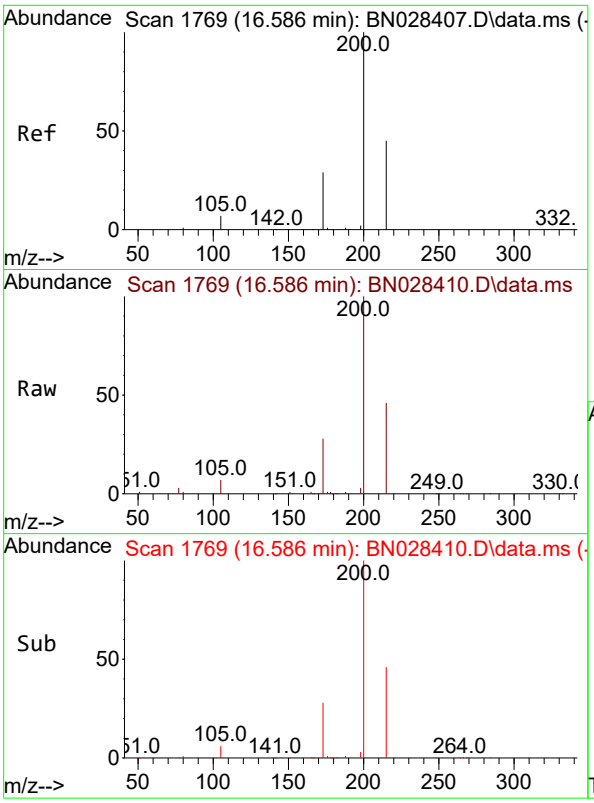


#22
Hexachlorobenzene
Concen: 3.504 ng
RT: 16.425 min Scan# 1756
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:284 Resp: 78710

Ion	Ratio	Lower	Upper
284	100		
142	38.4	31.8	47.6
249	31.1	25.0	37.6



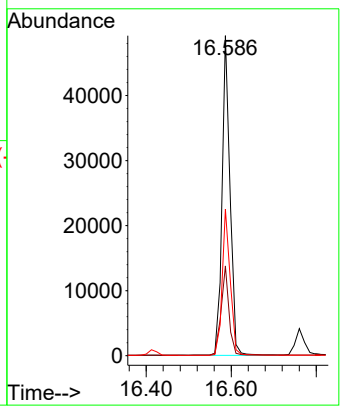


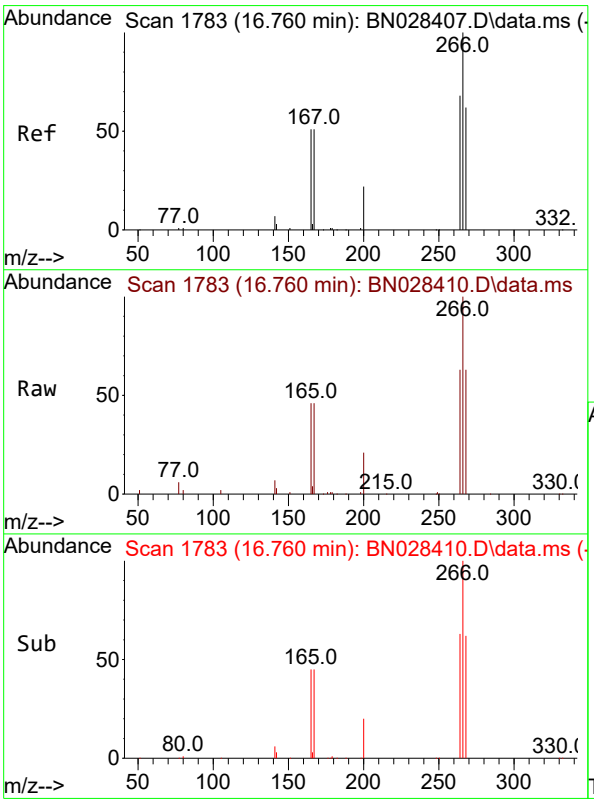
#23
Atrazine
Concen: 3.220 ng
RT: 16.586 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 63746

Ion	Ratio	Lower	Upper
200	100		
173	28.1	24.3	36.5
215	45.8	36.2	54.4

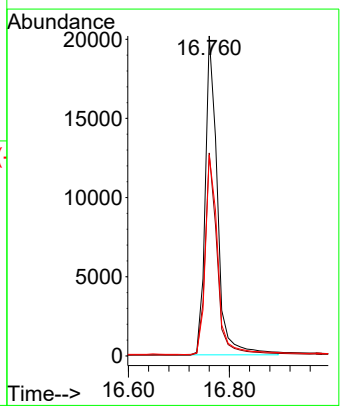


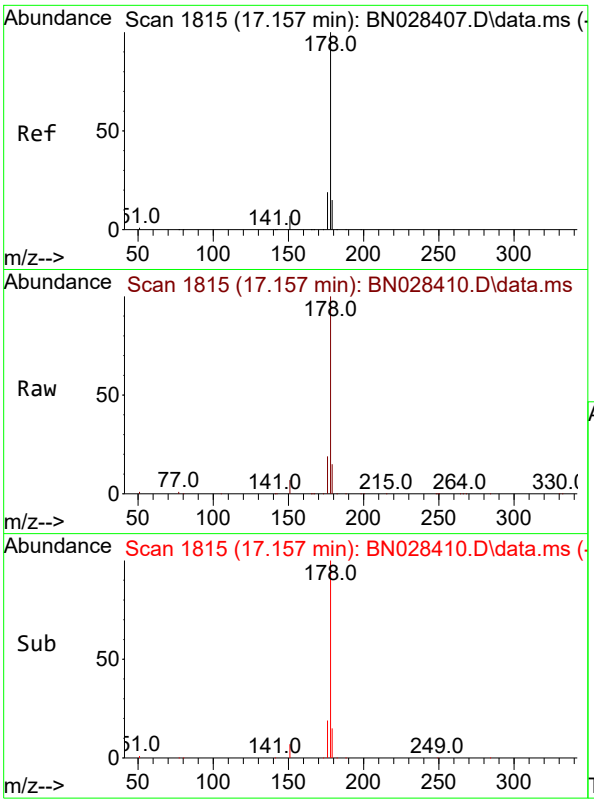


#24
Pentachlorophenol
Concen: 3.306 ng
RT: 16.760 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:266 Resp: 33818

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.9	76.3
268	63.8	51.0	76.4



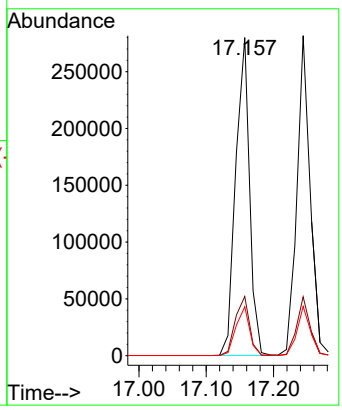


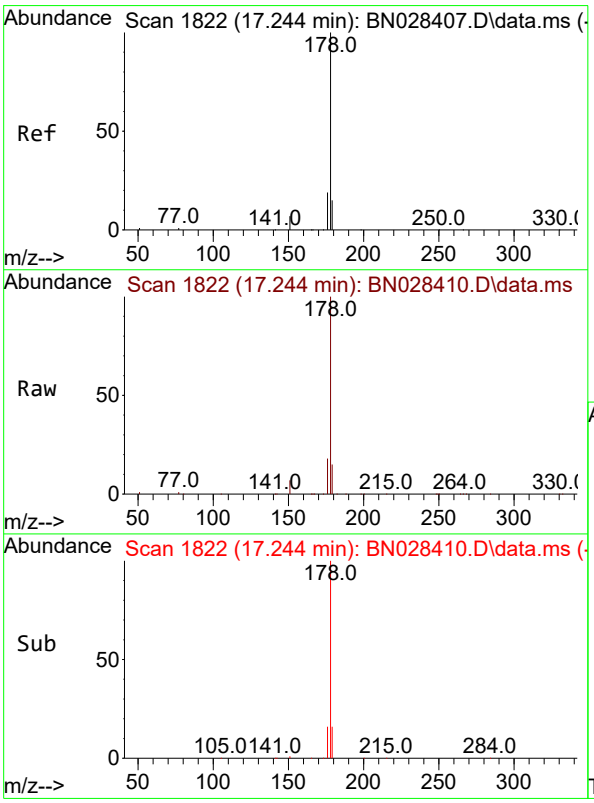
#25
Phenanthrene
Concen: 3.452 ng
RT: 17.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 400037

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.3	12.2	18.2

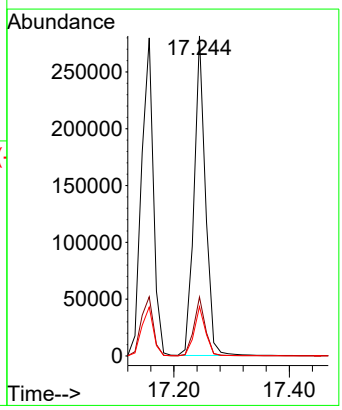


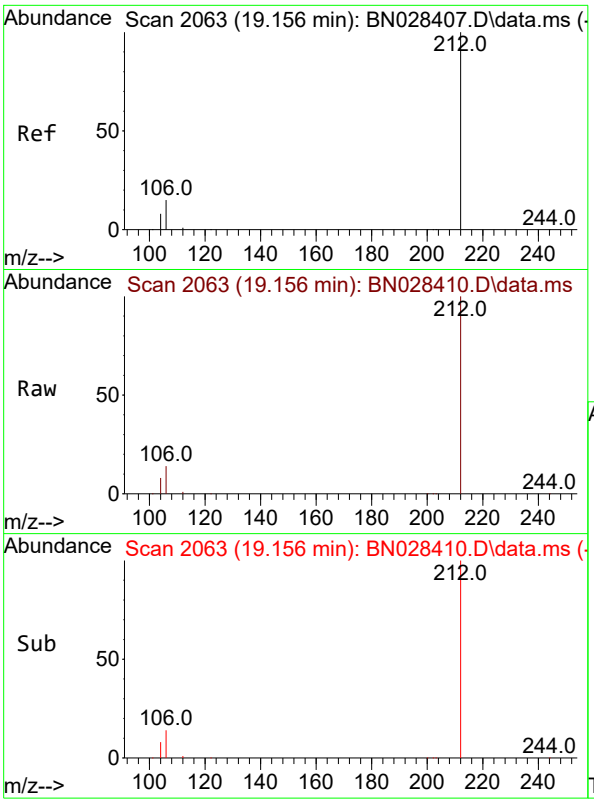


#26
Anthracene
Concen: 3.498 ng
RT: 17.244 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:178 Resp: 385871

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	15.3	12.2	18.4



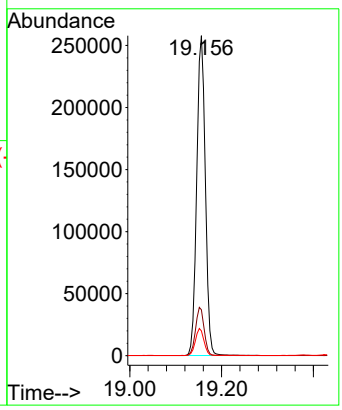


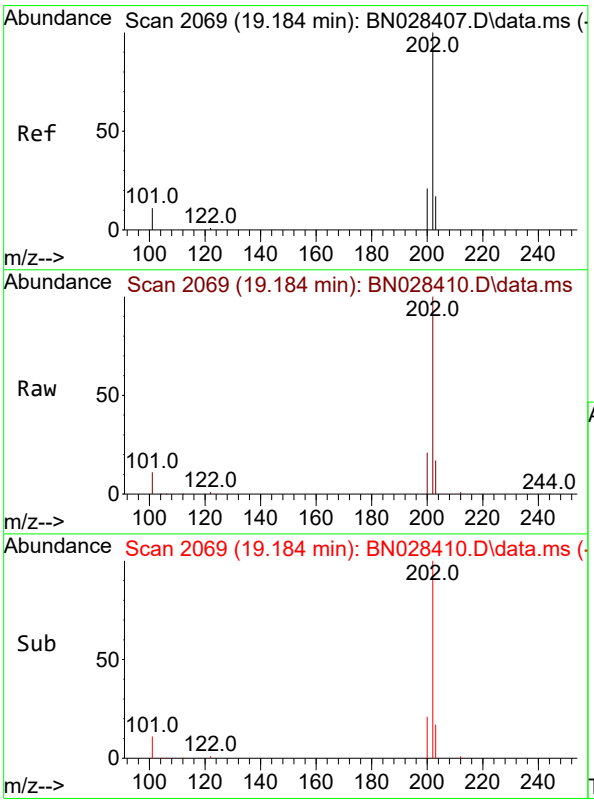
#27
Fluoranthene-d10
Concen: 3.052 ng
RT: 19.156 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 335800

Ion	Ratio	Lower	Upper
212	100		
106	15.0	11.9	17.9
104	8.3	6.7	10.1

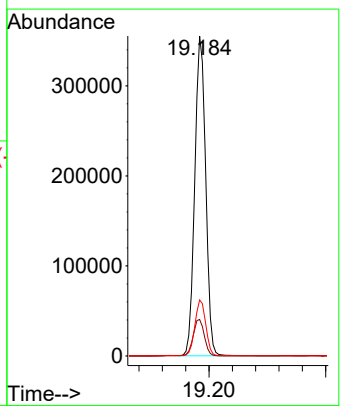


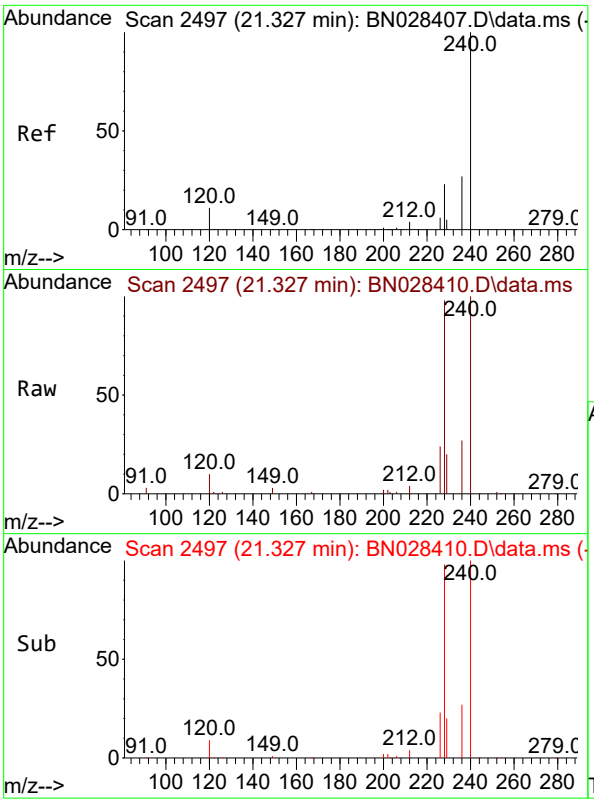


#28
Fluoranthene
Concen: 3.204 ng
RT: 19.184 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:202 Resp: 460000

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.4	13.7	20.5



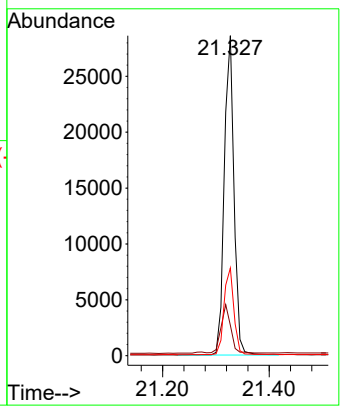


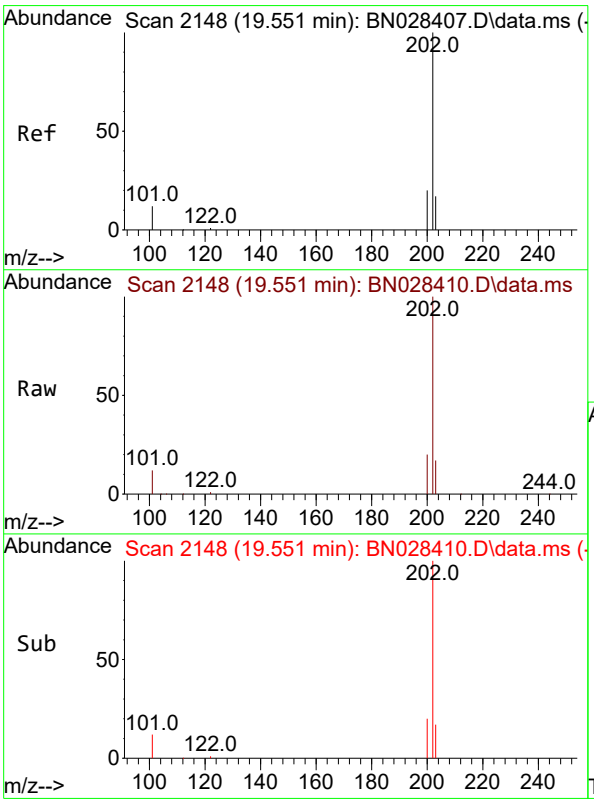
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.327 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 36307

Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.8	14.6#
236	27.4	22.2	33.2

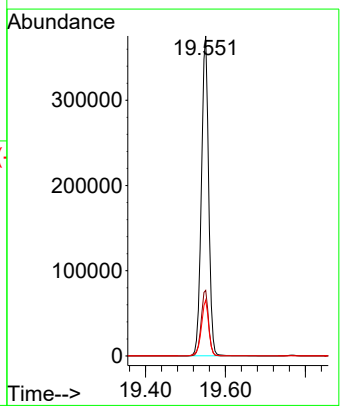


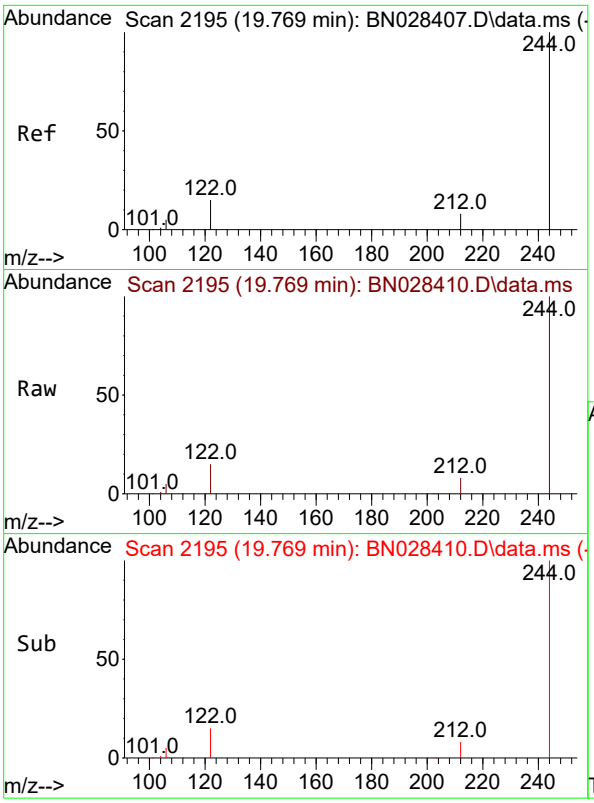


#30
Pyrene
Concen: 3.669 ng
RT: 19.551 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:202 Resp: 470019

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.8	14.2	21.2



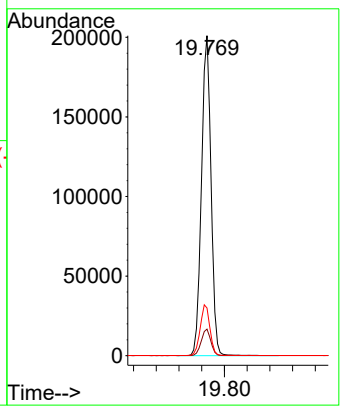


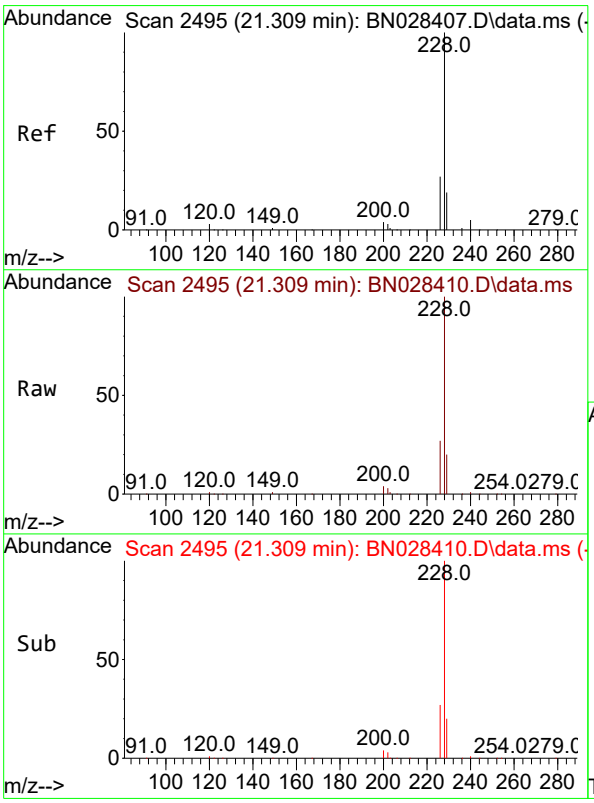
#31
Terphenyl-d14
Concen: 3.042 ng
RT: 19.769 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 233837

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	10.0
122	14.9	12.6	19.0

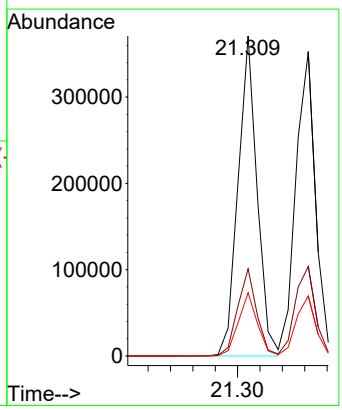


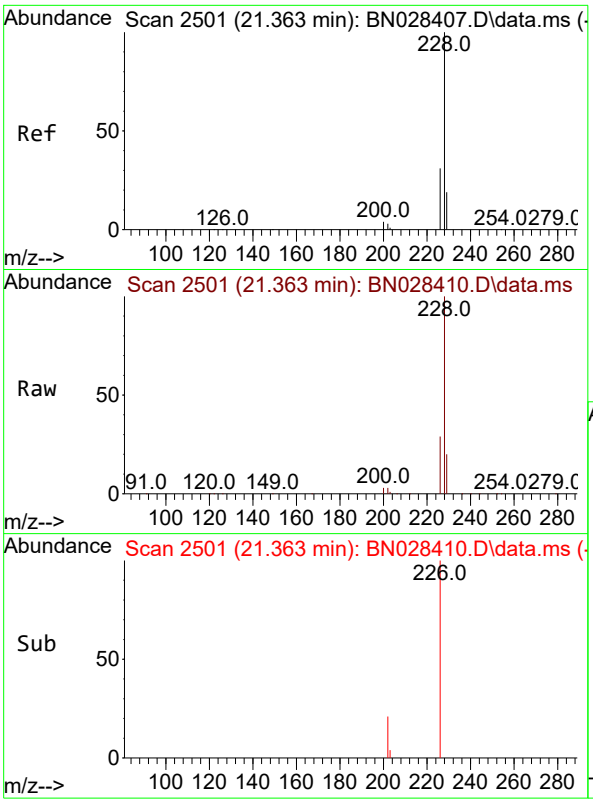


#32
Benzo(a)anthracene
Concen: 3.374 ng
RT: 21.309 min Scan# 2495
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:228 Resp: 438548

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.5	23.3



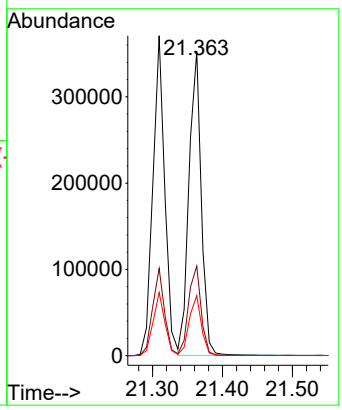


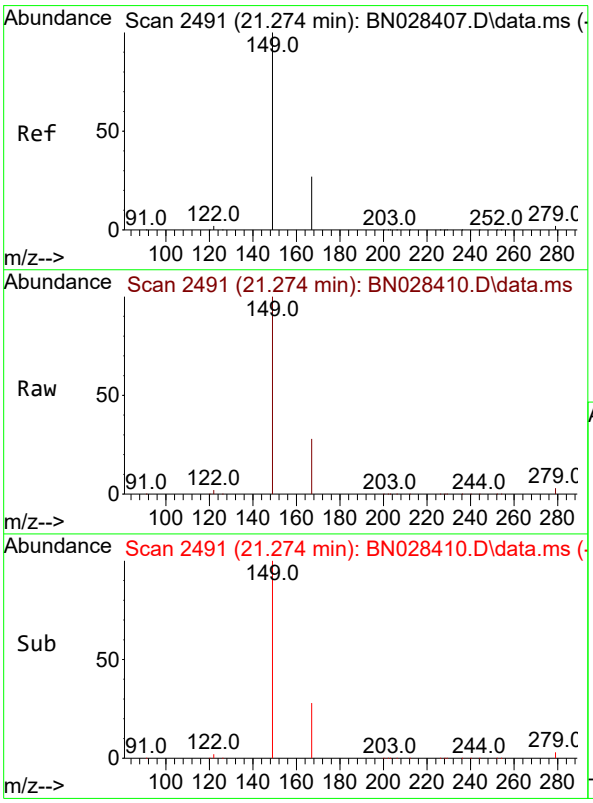
#33
Chrysene
Concen: 3.404 ng
RT: 21.363 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 429721

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	36.8
229	19.7	15.7	23.5

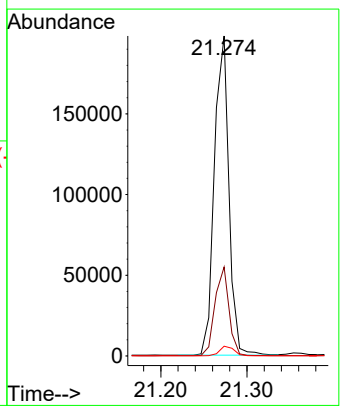


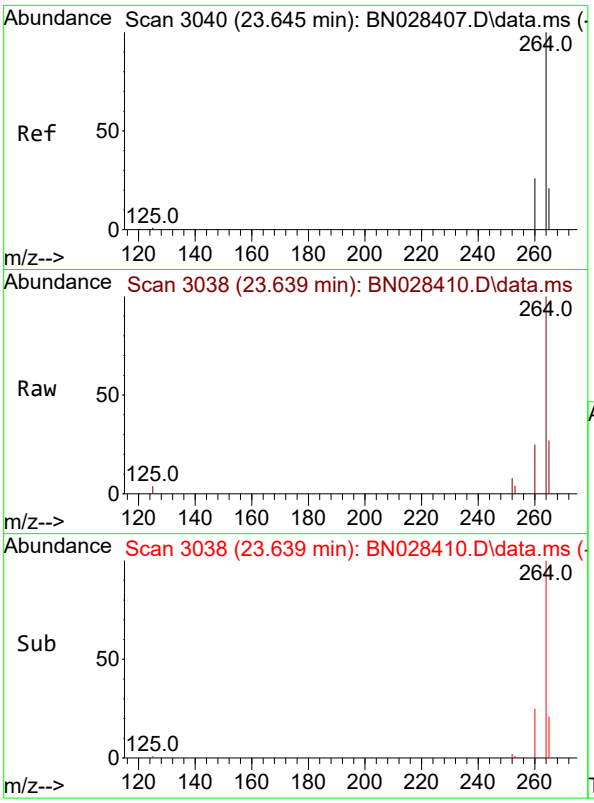


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.484 ng
RT: 21.274 min Scan# 2491
Delta R.T. -0.000 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:149 Resp: 231227

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.0
279	3.0	2.3	3.5



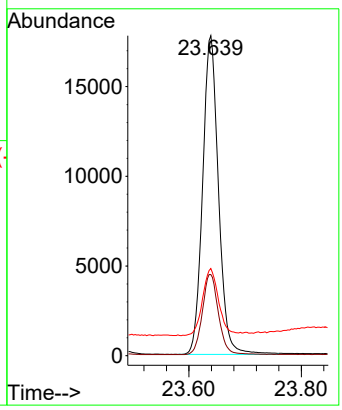


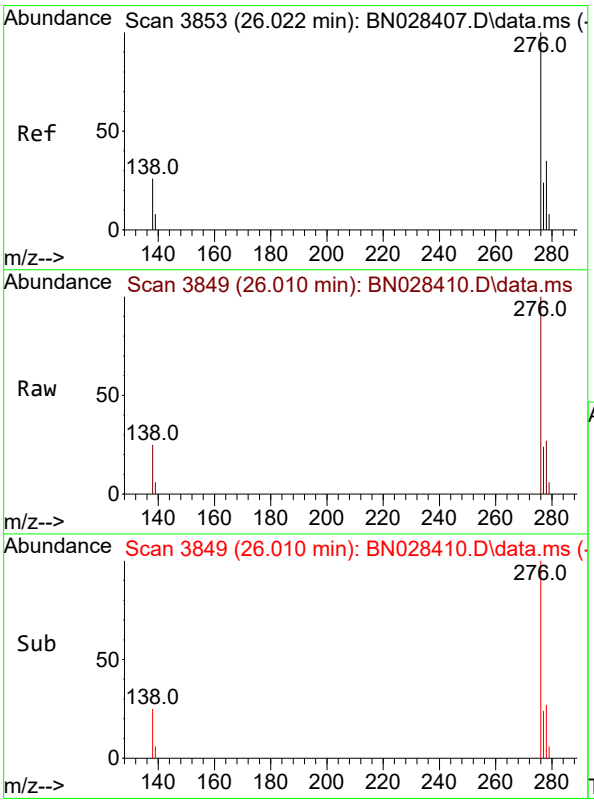
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.639 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 34782

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.8	31.2
265	27.2	21.7	32.5

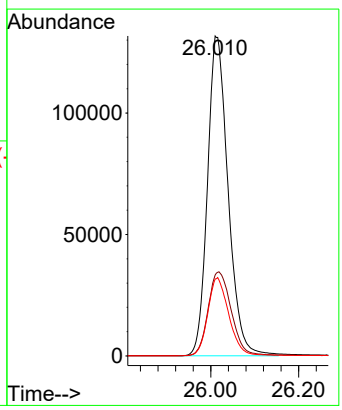


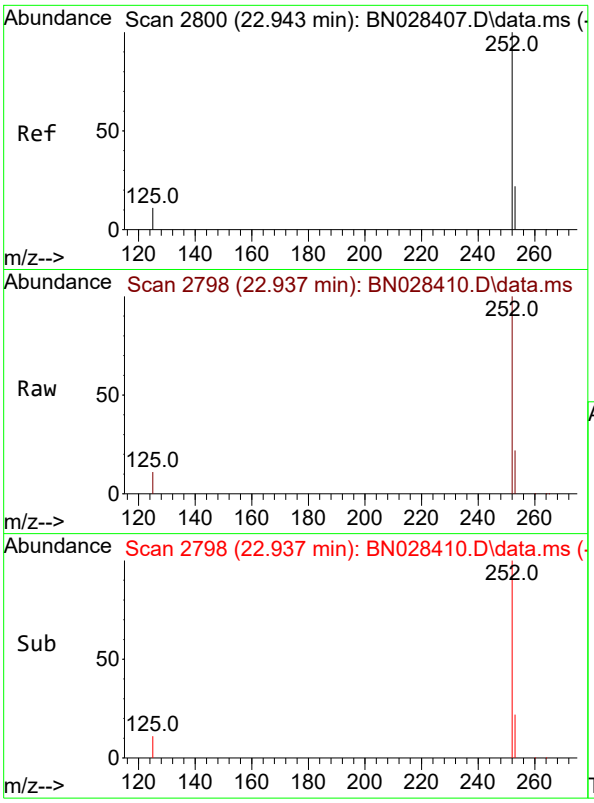


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.087 ng
RT: 26.010 min Scan# 3849
Delta R.T. -0.012 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:276 Resp: 429111

Ion	Ratio	Lower	Upper
276	100		
138	29.3	24.1	36.1
277	24.9	19.7	29.5



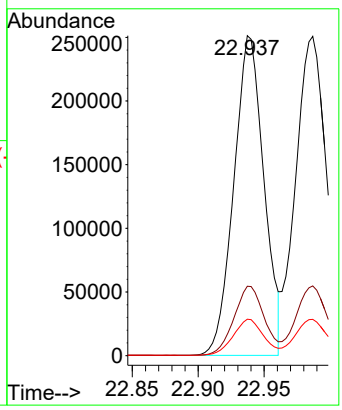


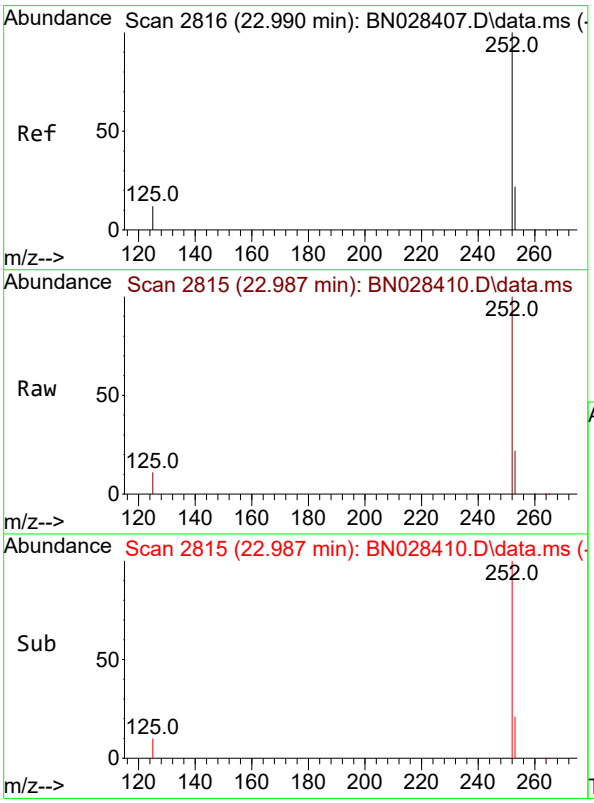
#37
Benzo(b)fluoranthene
Concen: 3.583 ng
RT: 22.937 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 398129

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	11.4	10.0	15.0

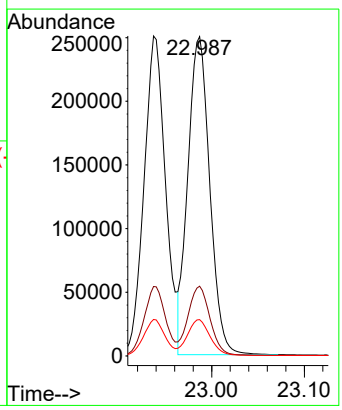


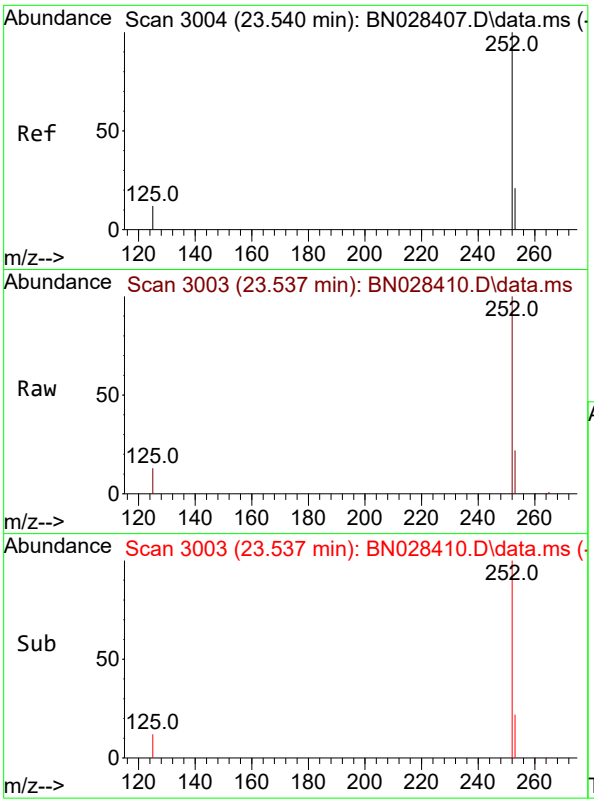


#38
Benzo(k)fluoranthene
Concen: 3.618 ng
RT: 22.987 min Scan# 2815
Delta R.T. -0.003 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:252 Resp: 409764

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	11.4	10.2	15.2



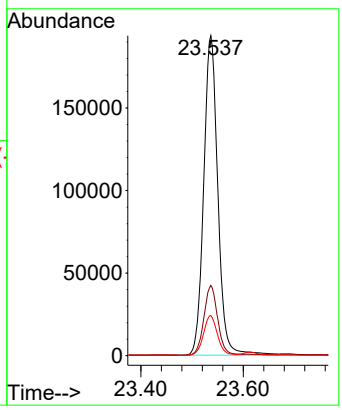


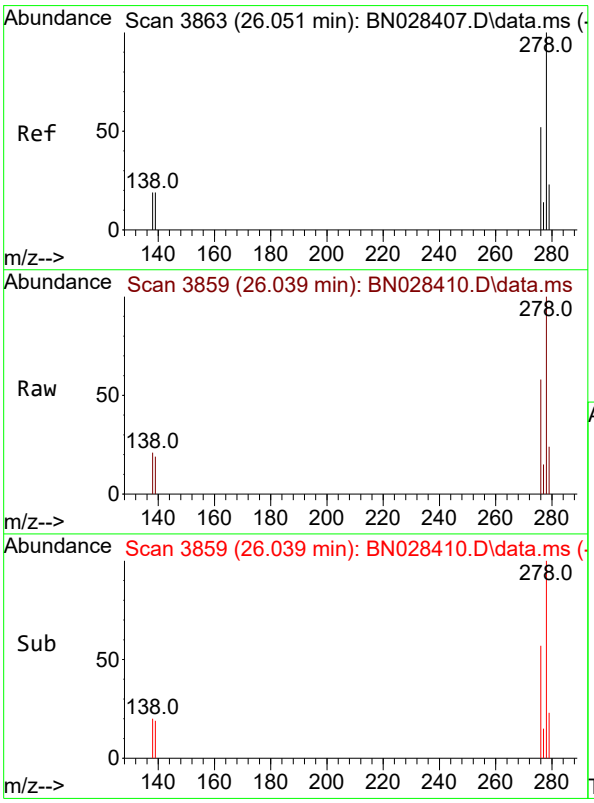
#39
Benzo(a)pyrene
Concen: 3.399 ng
RT: 23.537 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 371282

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	12.6	11.0	16.6

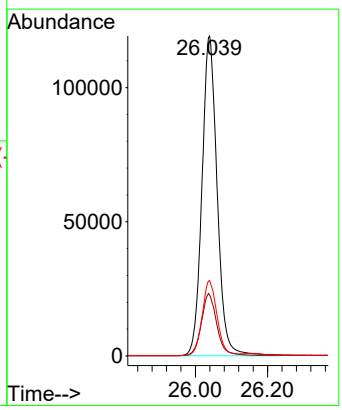


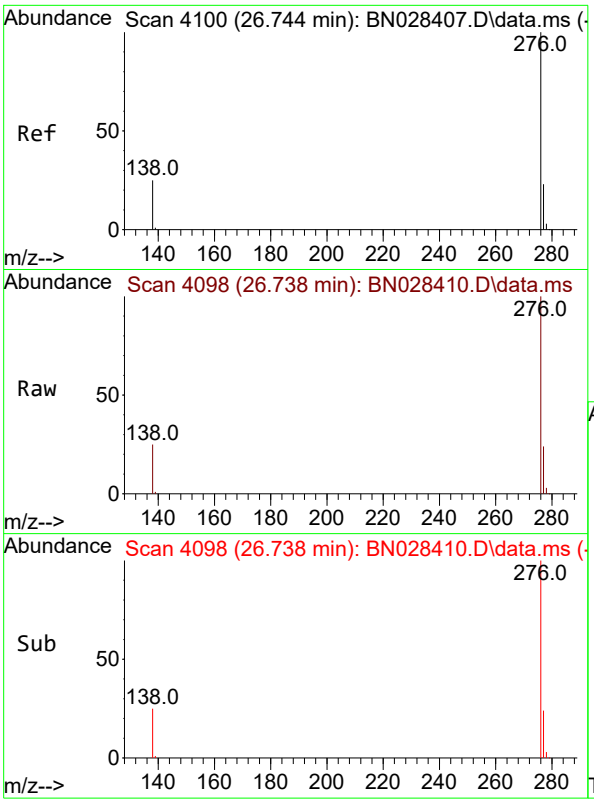


#40
Dibenzo(a,h)anthracene
Concen: 3.090 ng
RT: 26.039 min Scan# 3859
Delta R.T. -0.012 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Tgt Ion:278 Resp: 348348

Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.8	23.8
279	23.6	19.7	29.5





#41
Benzo(g,h,i)perylene
Concen: 3.076 ng
RT: 26.738 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN028410.D
Acq: 01 Nov 2023 21:10

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 360730

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	25.2	21.1	31.7