Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110123\
Data File : BN028411.D
Acq On : 01 Nov 2023 21:45
Operator : MA/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Nov 02 06:24:30 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 06:20:04 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.726	152	13345	0.400	ng		0.00
7) Naphthalene-d8	10.511	136	36354	0.400	ng		0.00
13) Acenaphthene-d10	14.362	164	20957	0.400	ng		0.00
19) Phenanthrene-d10	17.108	188	45506	0.400	ng		#-0.01
29) Chrysene-d12	21.327	240	39459	0.400	ng		# 0.00
35) Perylene-d12	23.639	264	35839	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.300	112	162404	4.660	ng		0.00
5) Phenol-d6	6.889	99	209406	4.743	ng		0.00
8) Nitrobenzene-d5	8.877	82	133668	5.688	ng		0.00
11) 2-Methylnaphthalene-d10	12.113	152	275692	5.302	ng		0.00
14) 2,4,6-Tribromophenol	15.854	330	51559	6.312	ng		0.00
15) 2-Fluorobiphenyl	13.005	172	121806	4.896	ng		0.00
27) Fluoranthene-d10	19.156	212	606857	5.396	ng		0.00
31) Terphenyl-d14	19.769	244	429321	5.167	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	62836	4.252	ng		97
3) n-Nitrosodimethylamine	3.516	42	81361	4.934	ng		100
6) bis(2-Chloroethyl)ether	7.156	93	180510	4.722	ng		99
9) Naphthalene	10.564	128	509603	5.194	ng		100
10) Hexachlorobutadiene	10.863	225	83360	5.100	ng	#	99
12) 2-Methylnaphthalene	12.184	142	356506	5.214	ng		99
16) Acenaphthylene	14.084	152	570470	5.511	ng		100
17) Acenaphthene	14.427	154	354572	5.403	ng		96
18) Fluorene	15.421	166	468250	5.243	ng		99
21) 4-Bromophenyl-phenylether	16.313	248	142858	5.663	ng		93
22) Hexachlorobenzene	16.425	284	141353	5.307	ng		98
23) Atrazine	16.586	200	120875	5.713	ng		99
25) Phenanthrene	17.157	178	713788	5.310	ng		100
26) Anthracene	17.244	178	695521	5.419	ng		100
28) Fluoranthene	19.184	202	815206	5.195	ng		100
30) Pyrene	19.551	202	840051	5.104	ng		100
32) Benzo(a)anthracene	21.309	228	791898	5.057	ng		100
33) Chrysene	21.363	228	764256	4.900	ng		99
34) Bis(2-ethylhexyl)phtha...	21.273	149	470845	5.816	ng		99
36) Indeno(1,2,3-cd)pyrene	26.016	276	711983	5.082	ng		99
37) Benzo(b)fluoranthene	22.940	252	715893	5.192	ng		98
38) Benzo(k)fluoranthene	22.987	252	715906	5.102	ng		97
39) Benzo(a)pyrene	23.536	252	653528	5.355	ng		98
40) Dibenzo(a,h)anthracene	26.039	278	581532	5.074	ng		98
41) Benzo(g,h,i)perylene	26.738	276	596438	4.860	ng		99

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

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Misc :
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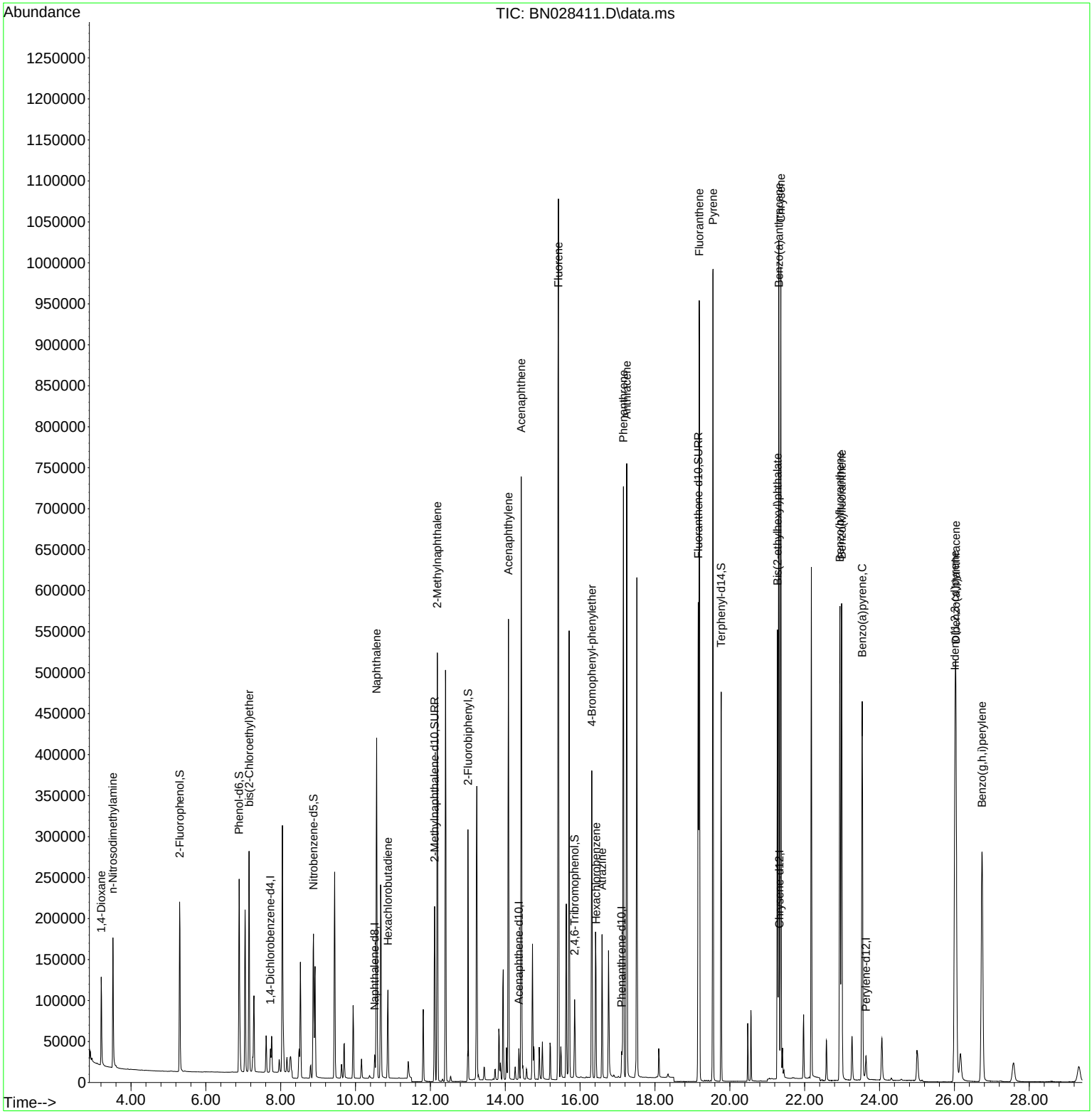
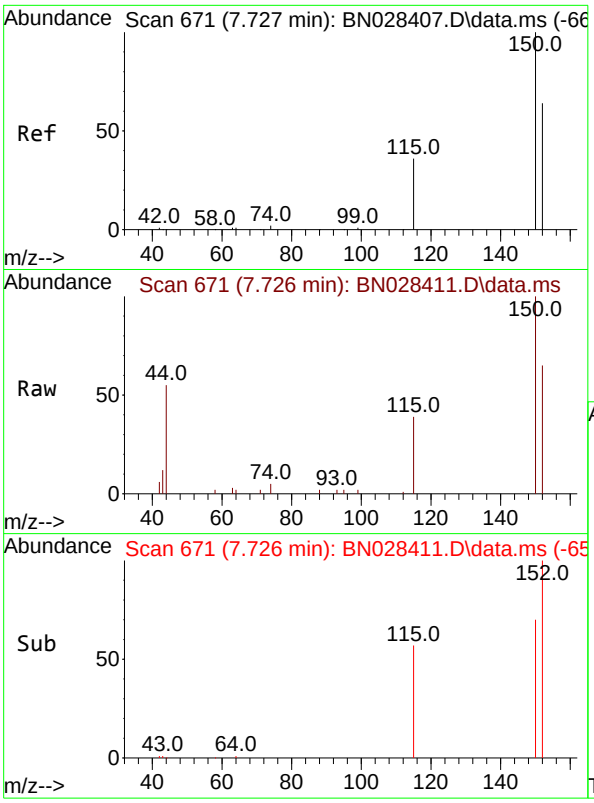
Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Nov 02 06:24:30 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 06:20:04 2023
Response via : Initial Calibration



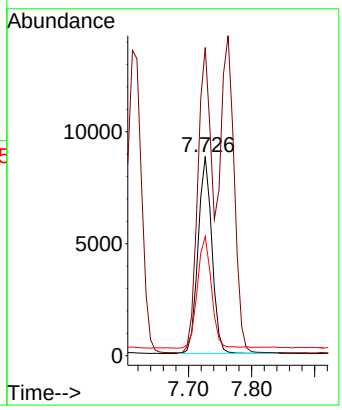


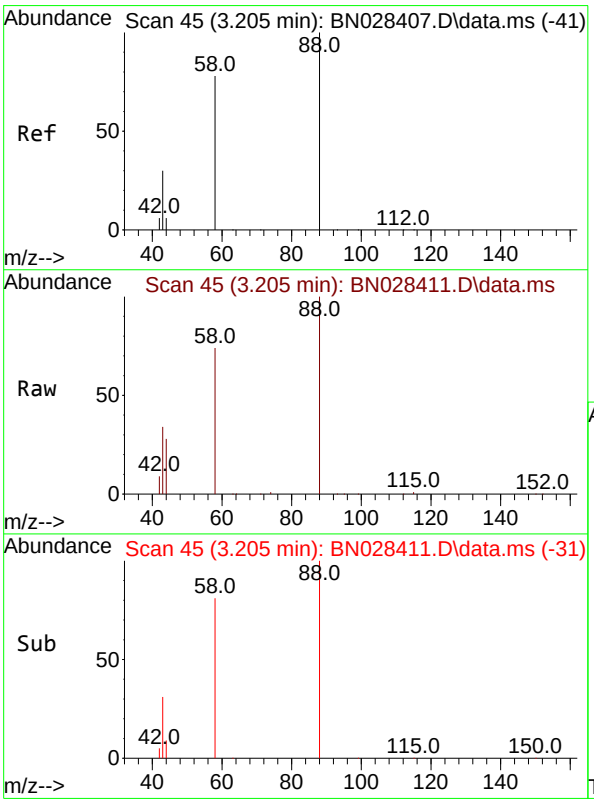
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.726 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 13345

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.6
115	59.8	47.0	70.6

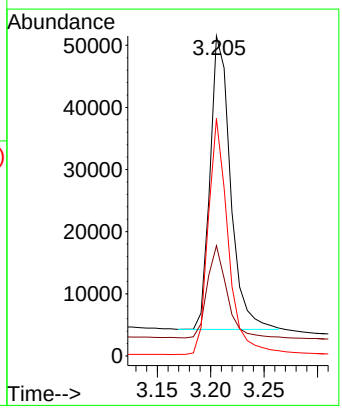


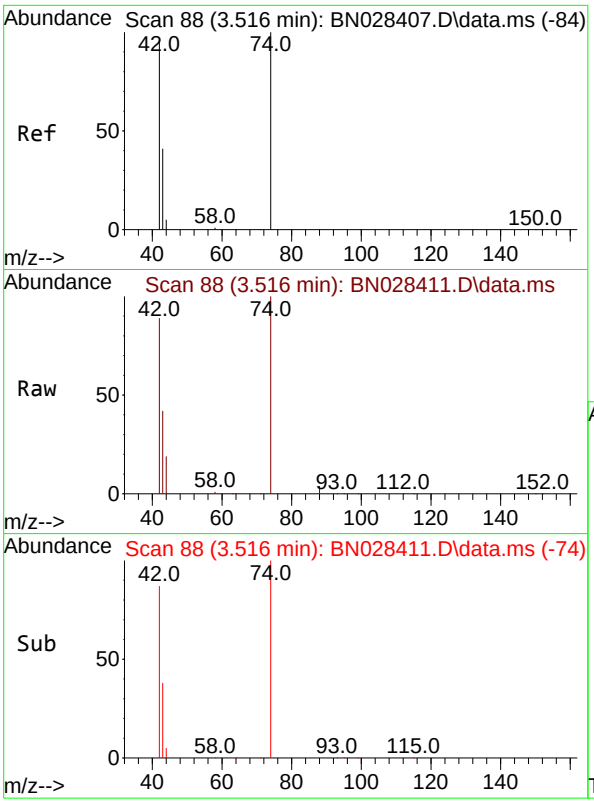


#2
1,4-Dioxane
Concen: 4.252 ng
RT: 3.205 min Scan# 45
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion: 88 Resp: 62836

Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.3	36.5
58	78.3	59.8	89.6



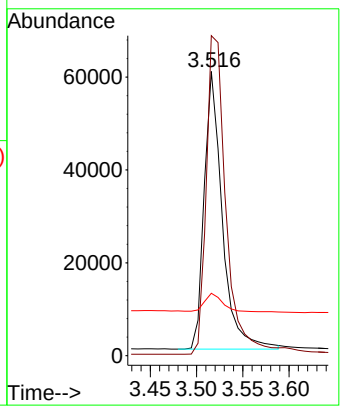


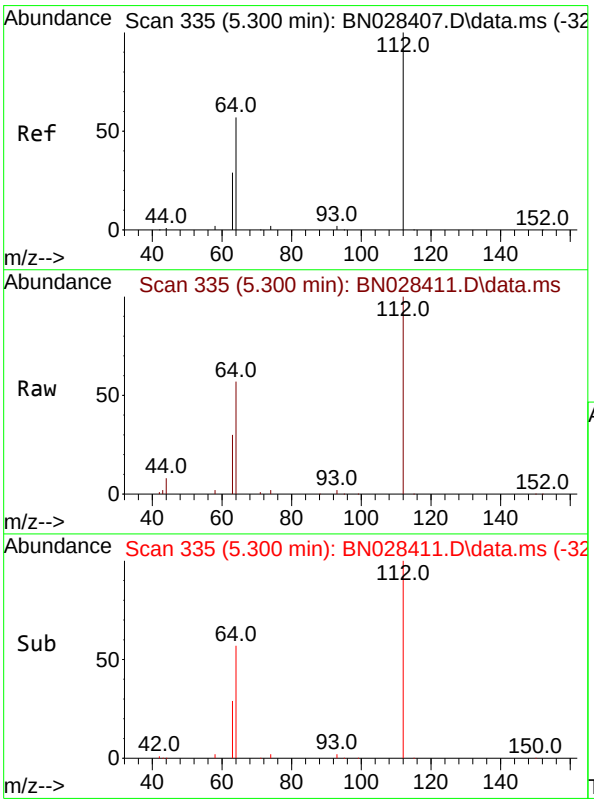
#3
n-Nitrosodimethylamine
Concen: 4.934 ng
RT: 3.516 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 81361

Ion	Ratio	Lower	Upper
42	100		
74	125.0	100.3	150.5
44	6.9	6.2	9.2

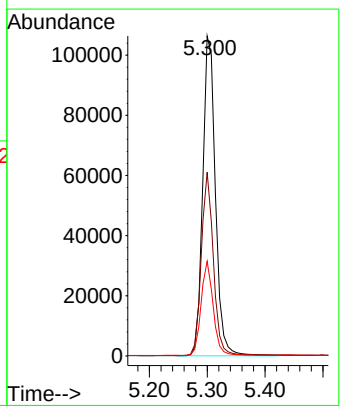


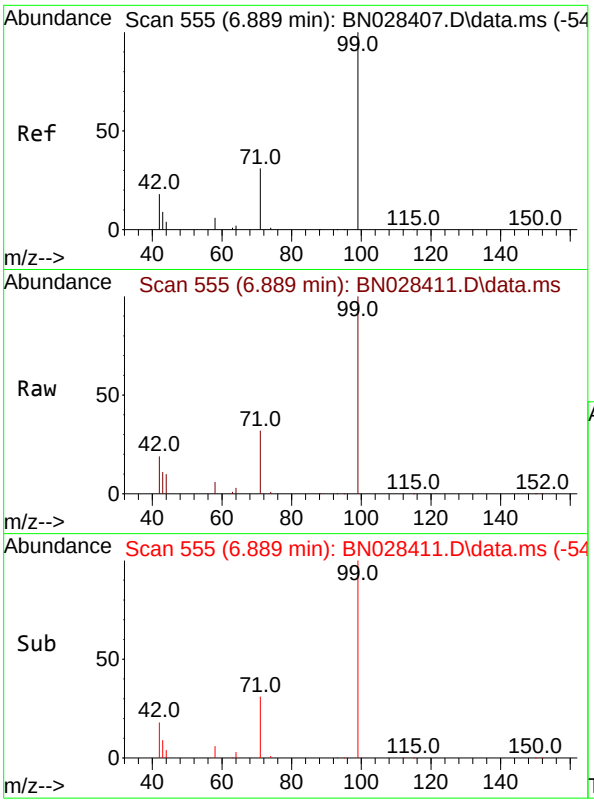


#4
2-Fluorophenol
Concen: 4.660 ng
RT: 5.300 min Scan# 335
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:112 Resp: 162404

Ion	Ratio	Lower	Upper
112	100		
64	54.6	44.3	66.5
63	28.1	22.6	33.8



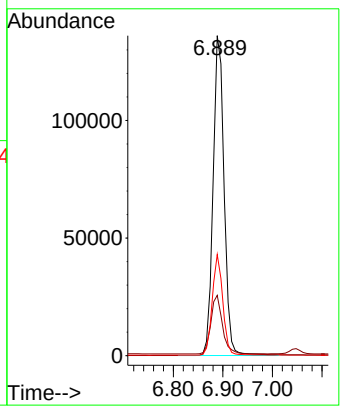


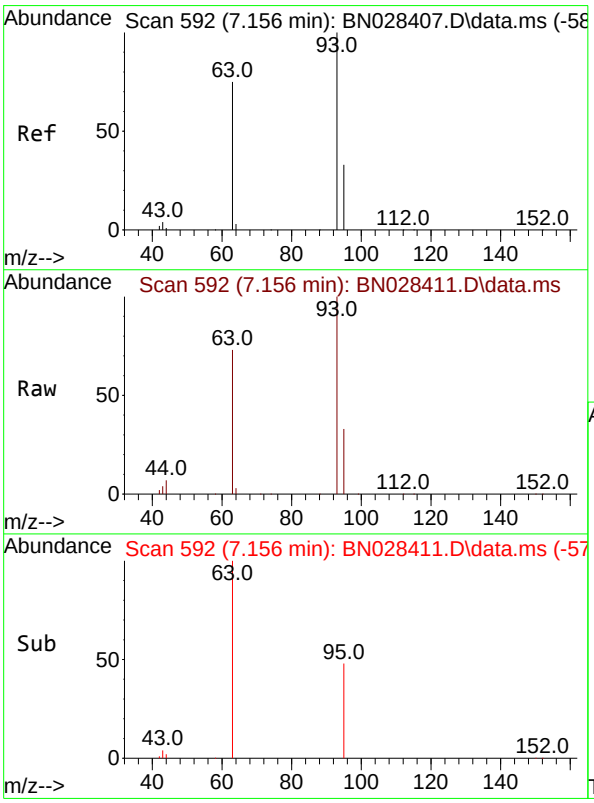
#5
Phenol-d6
Concen: 4.743 ng
RT: 6.889 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 209406

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.4	23.0
71	30.3	24.4	36.6

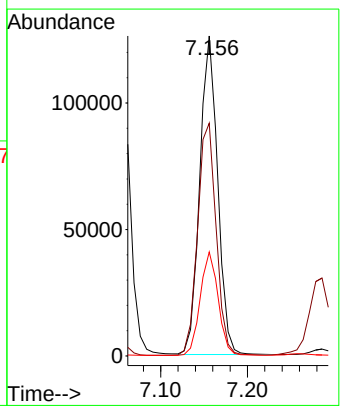


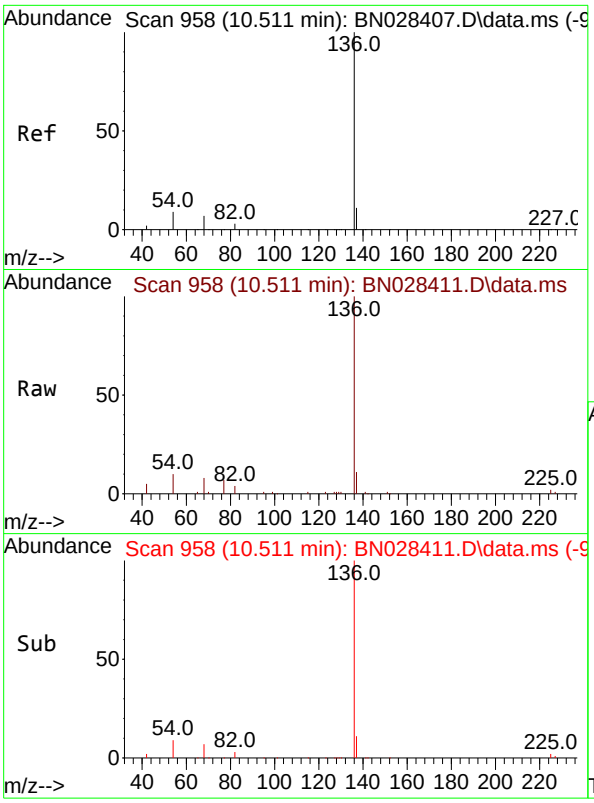


#6
bis(2-Chloroethyl)ether
Concen: 4.722 ng
RT: 7.156 min Scan# 592
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion: 93 Resp: 180510

Ion	Ratio	Lower	Upper
93	100		
63	75.8	61.4	92.0
95	32.6	26.1	39.1



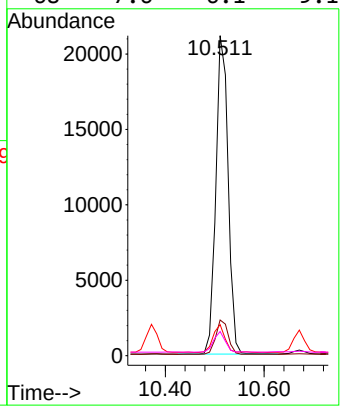


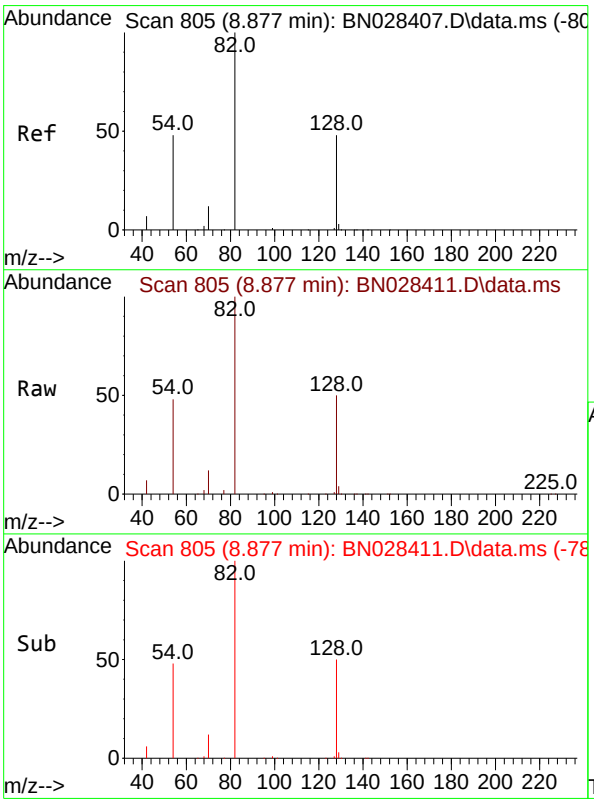
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.511 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 36354

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.7	7.9	11.9
68	7.6	6.1	9.1

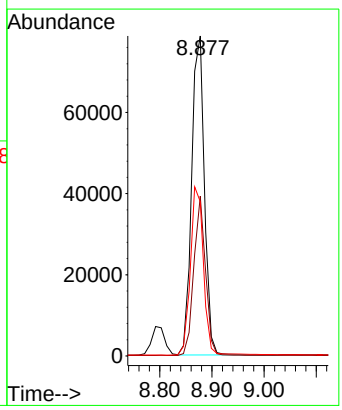


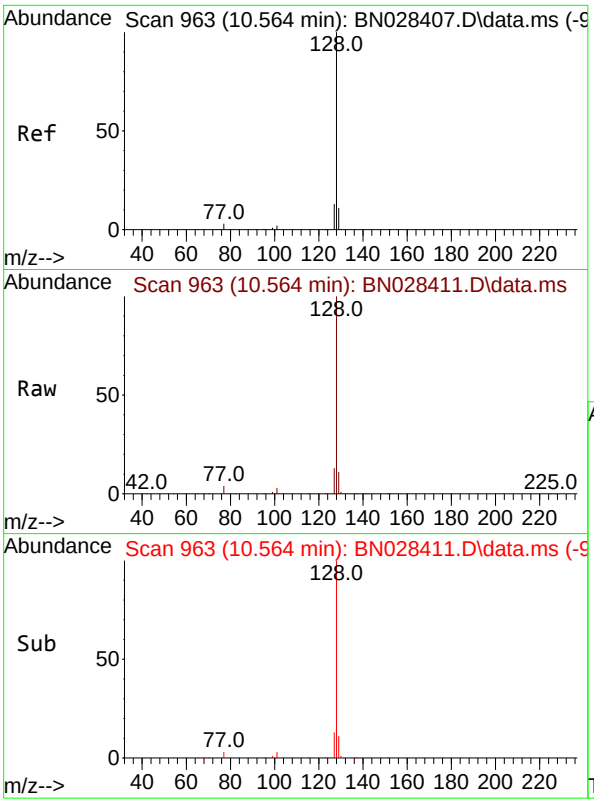


#8
Nitrobenzene-d5
Concen: 5.688 ng
RT: 8.877 min Scan# 805
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion: 82 Resp: 133668

Ion	Ratio	Lower	Upper
82	100		
128	50.0	38.8	58.2
54	48.2	40.3	60.5



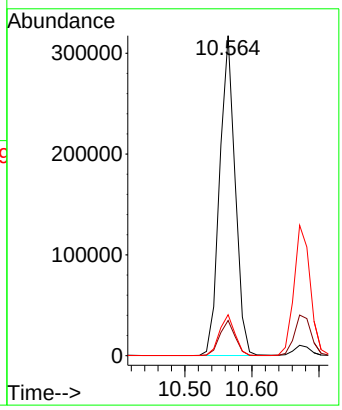


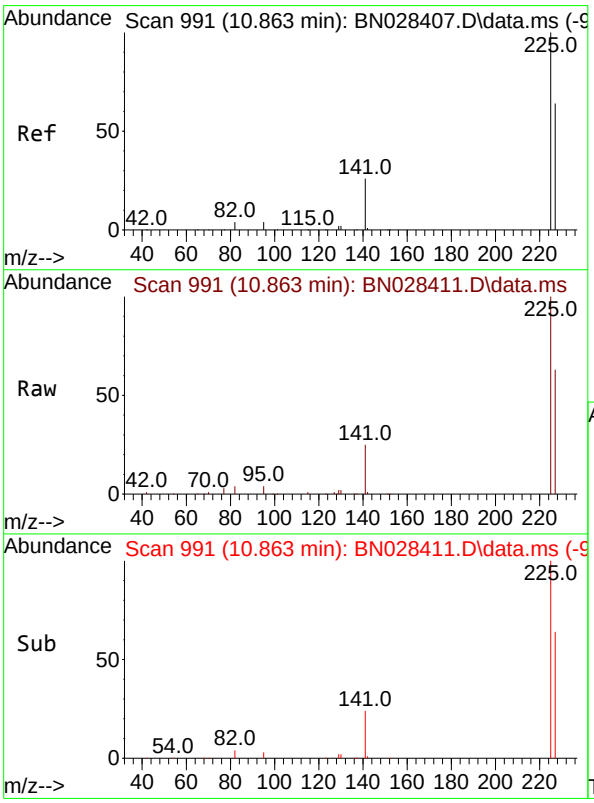
#9
Naphthalene
Concen: 5.194 ng
RT: 10.564 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 509603

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

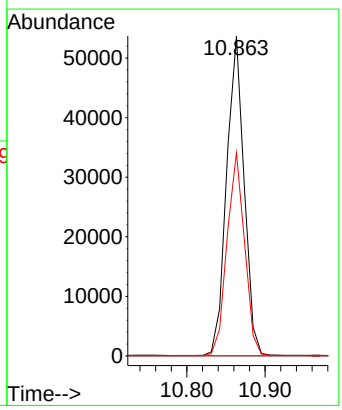


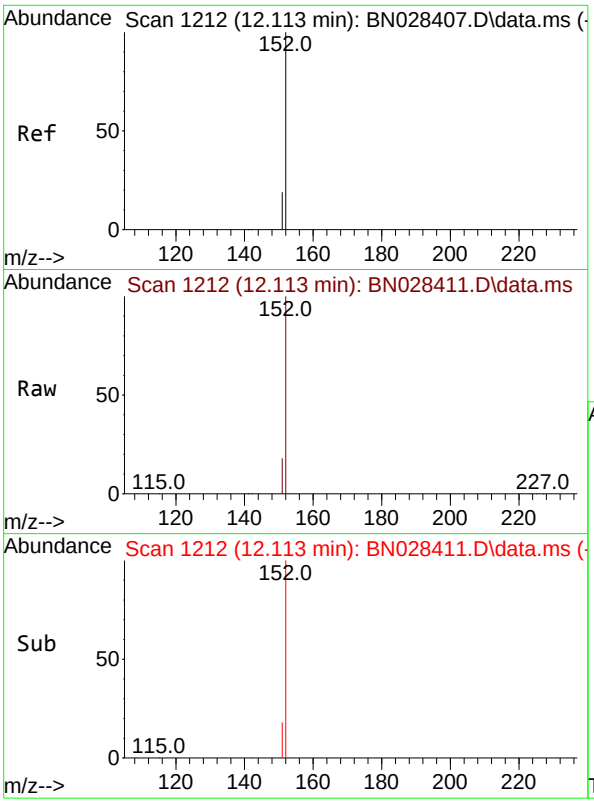


#10
Hexachlorobutadiene
Concen: 5.100 ng
RT: 10.863 min Scan# 991
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:225 Resp: 83360

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.4	77.0



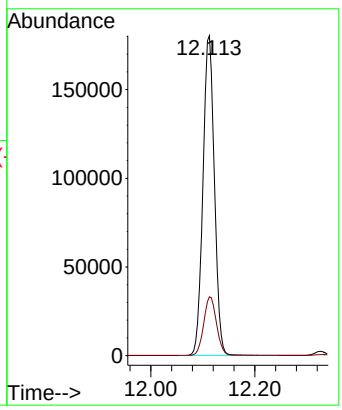


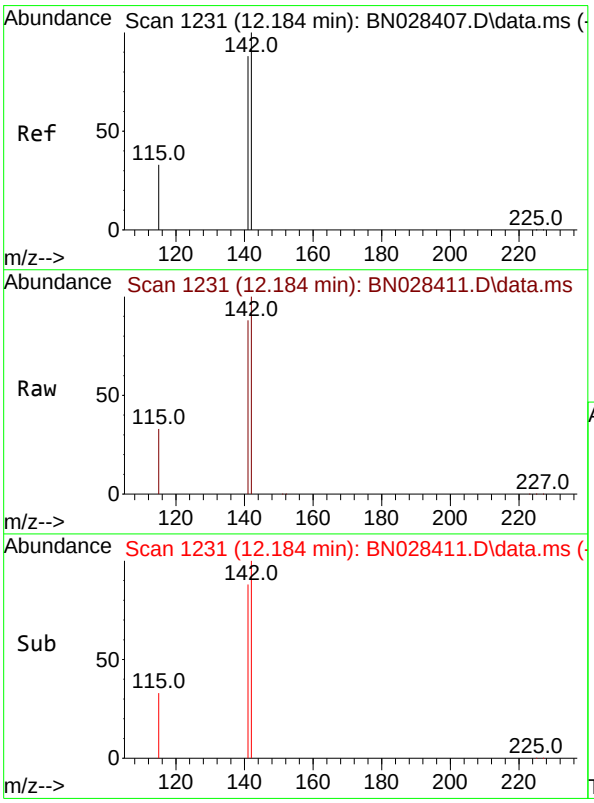
#11
2-Methylnaphthalene-d10
Concen: 5.302 ng
RT: 12.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 275692

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6

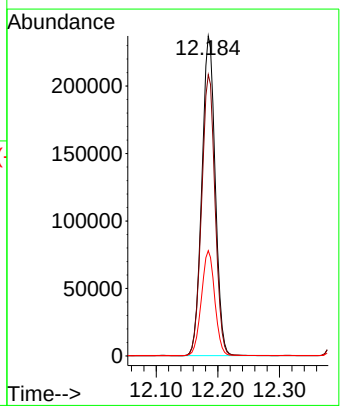


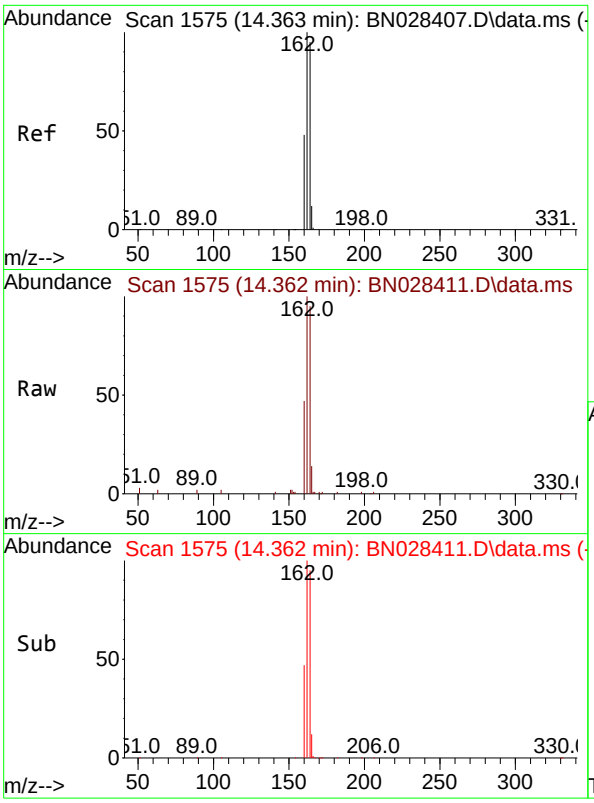


#12
2-Methylnaphthalene
Concen: 5.214 ng
RT: 12.184 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:142 Resp: 356506

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.7	106.1
115	32.9	27.6	41.4



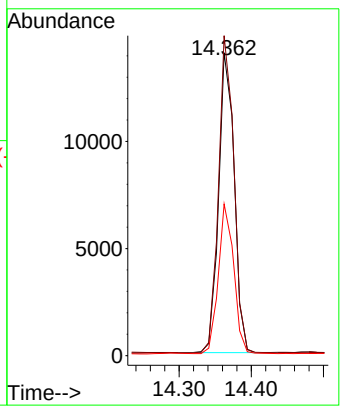


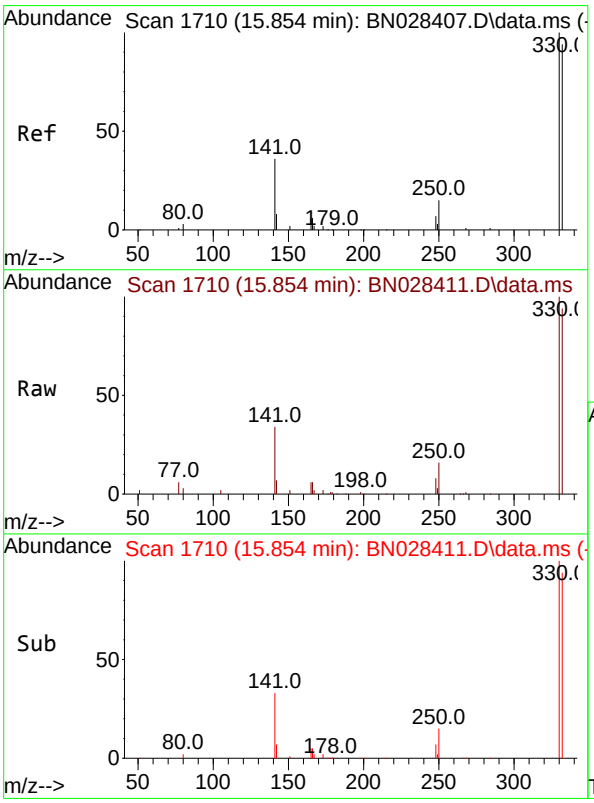
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.362 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 20957

Ion	Ratio	Lower	Upper
164	100		
162	105.6	84.6	127.0
160	50.1	41.3	61.9

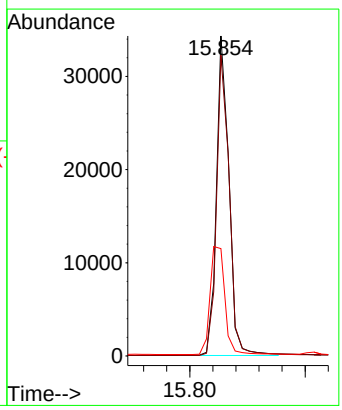


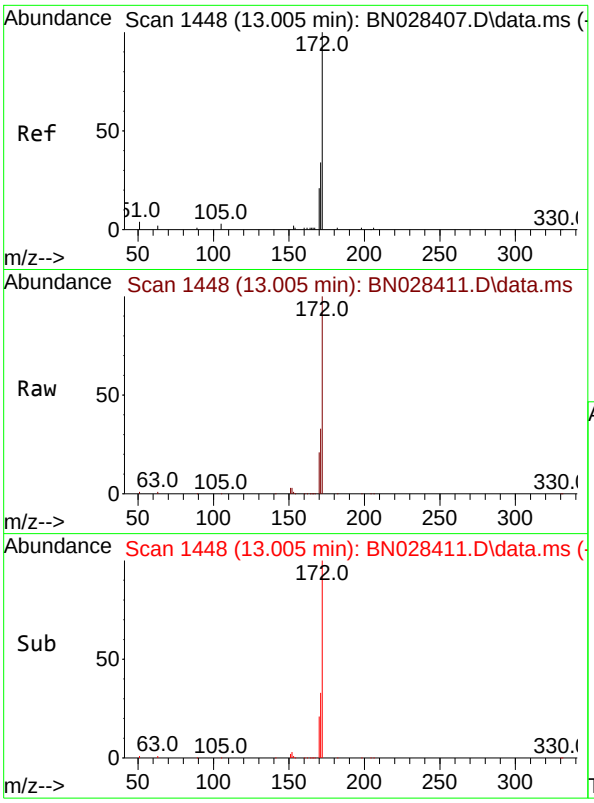


#14
2,4,6-Tribromophenol
Concen: 6.312 ng
RT: 15.854 min Scan# 1710
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:330 Resp: 51559

Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.2	114.2
141	40.0	32.8	49.2



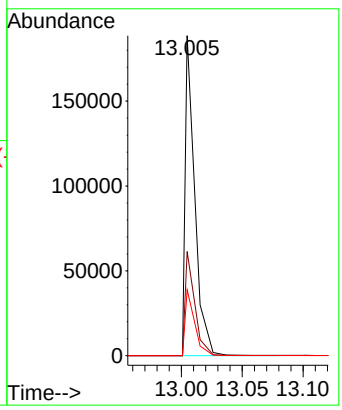


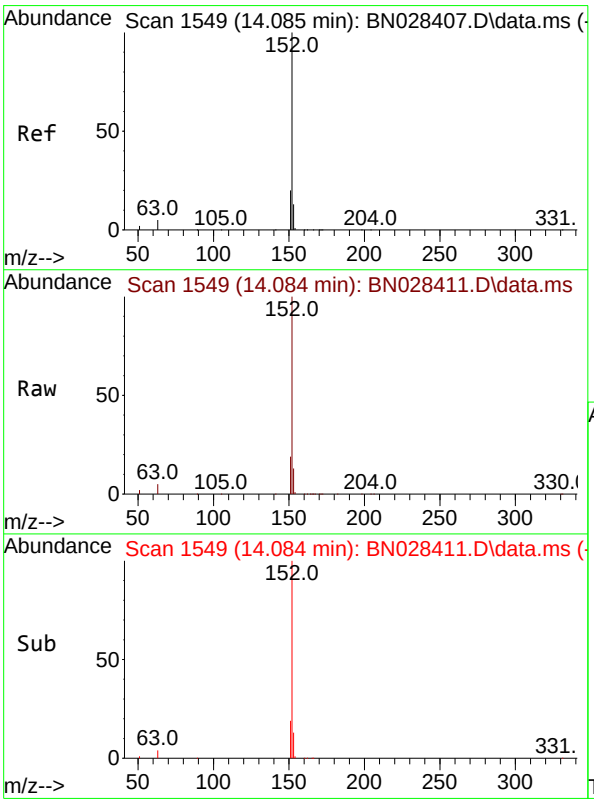
#15
2-Fluorobiphenyl
Concen: 4.896 ng
RT: 13.005 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 121806

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

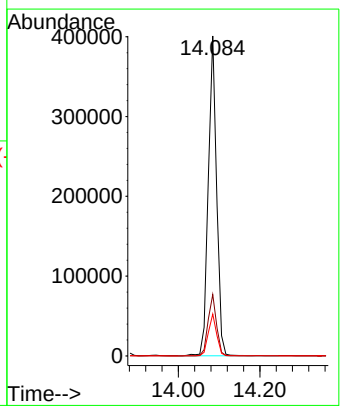


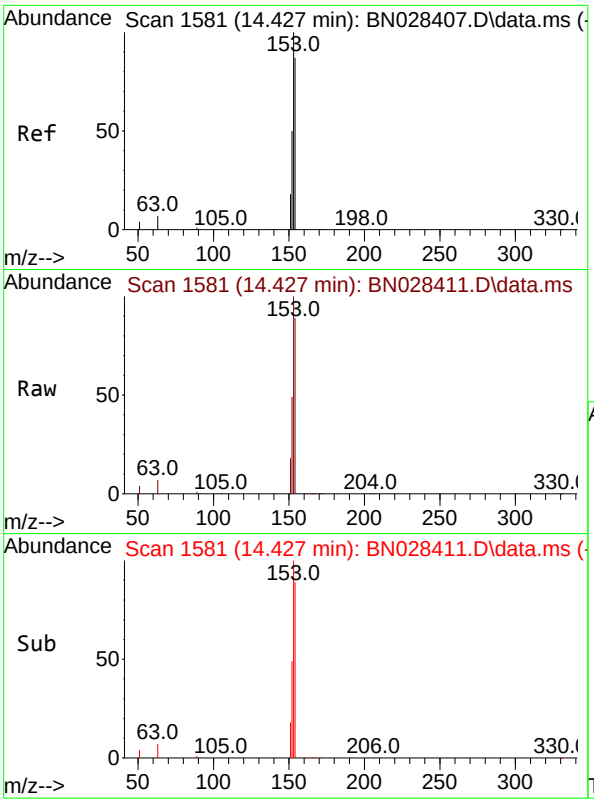


#16
Acenaphthylene
Concen: 5.511 ng
RT: 14.084 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:152 Resp: 570470

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.1	10.5	15.7



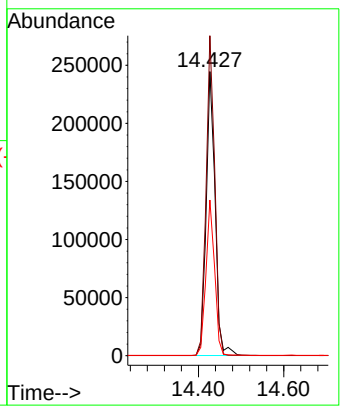


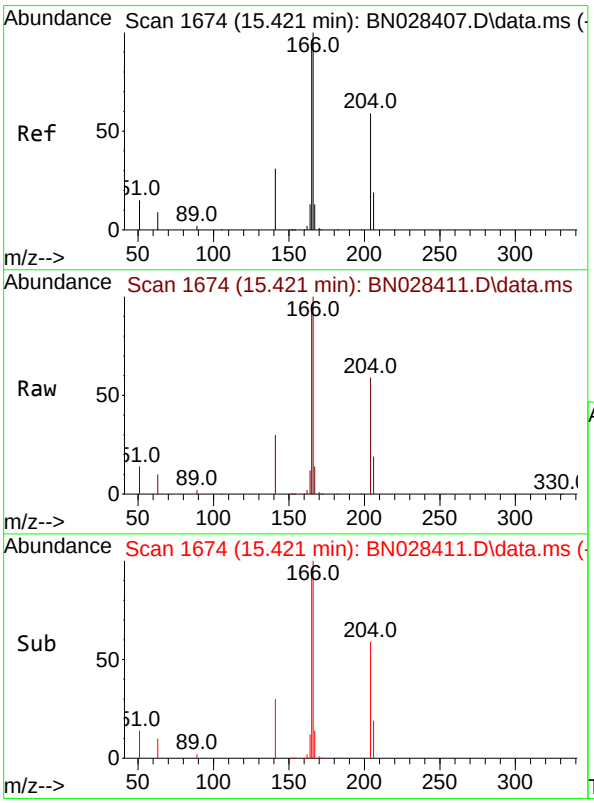
#17
Acenaphthene
Concen: 5.403 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 354572

Ion	Ratio	Lower	Upper
154	100		
153	109.5	90.5	135.7
152	53.2	45.8	68.6

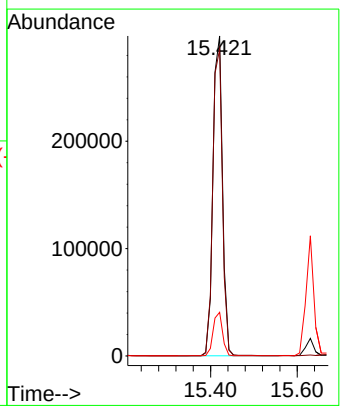


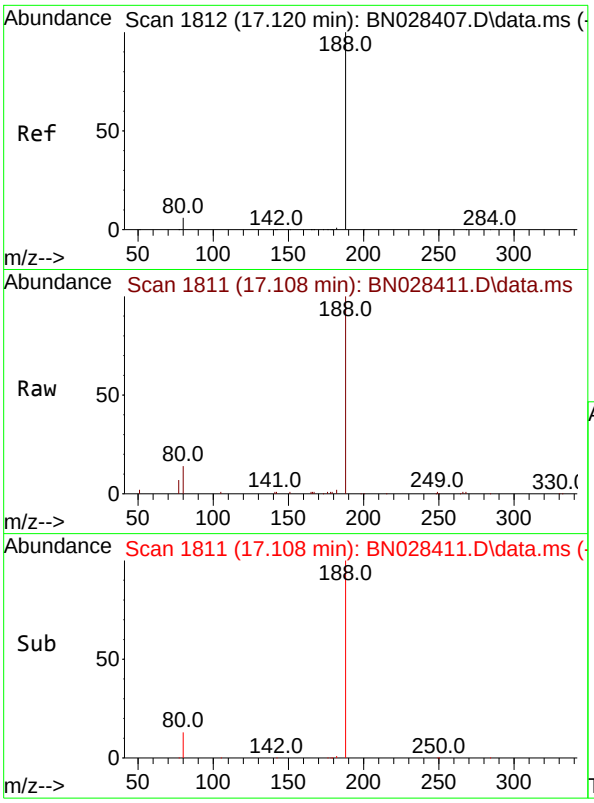


#18
Fluorene
Concen: 5.243 ng
RT: 15.421 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:166 Resp: 468250

Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.2	118.8
167	13.5	10.6	16.0



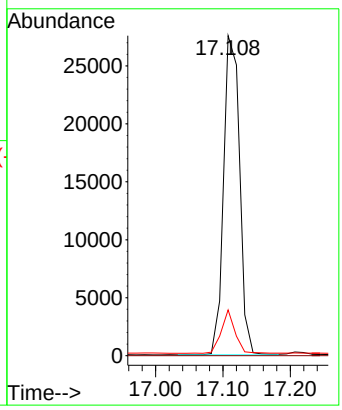


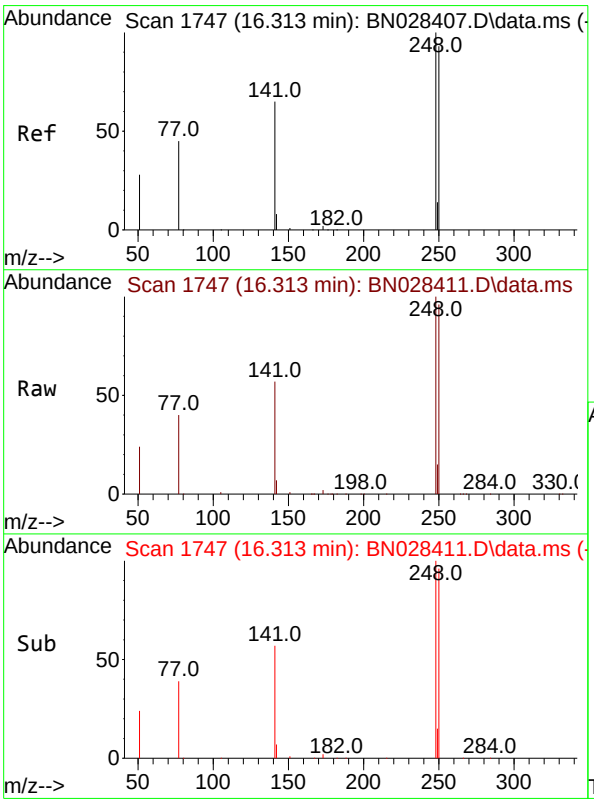
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.108 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 45506

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.3	5.3	7.9#

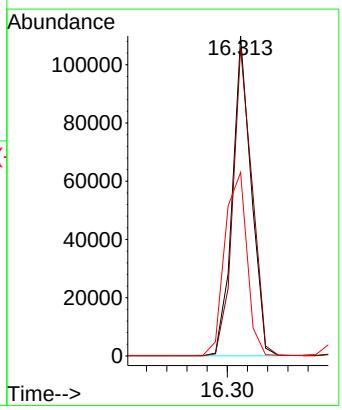


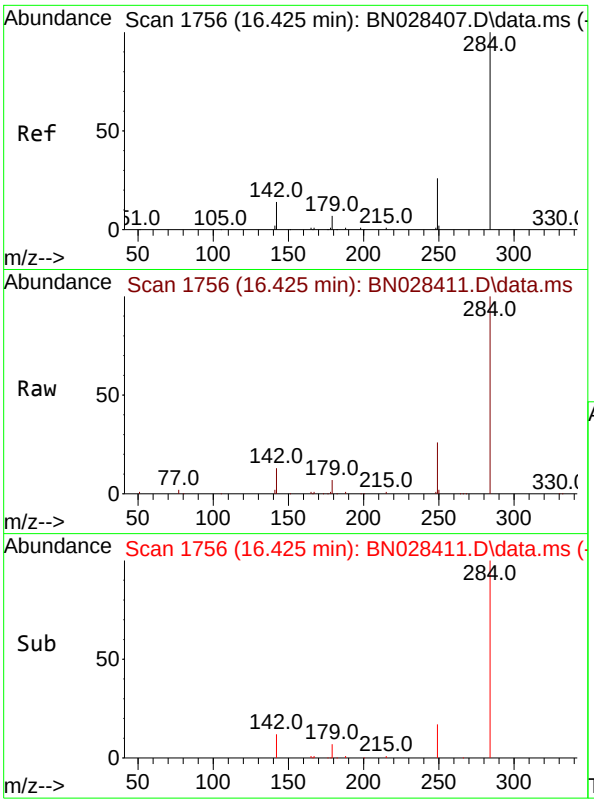


#21
4-Bromophenyl-phenylether
Concen: 5.663 ng
RT: 16.313 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:248 Resp: 142858

Ion	Ratio	Lower	Upper
248	100		
250	96.4	74.6	111.8
141	57.4	53.4	80.2



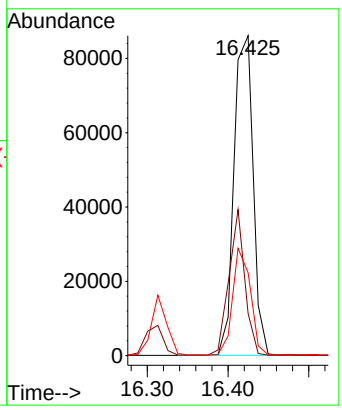


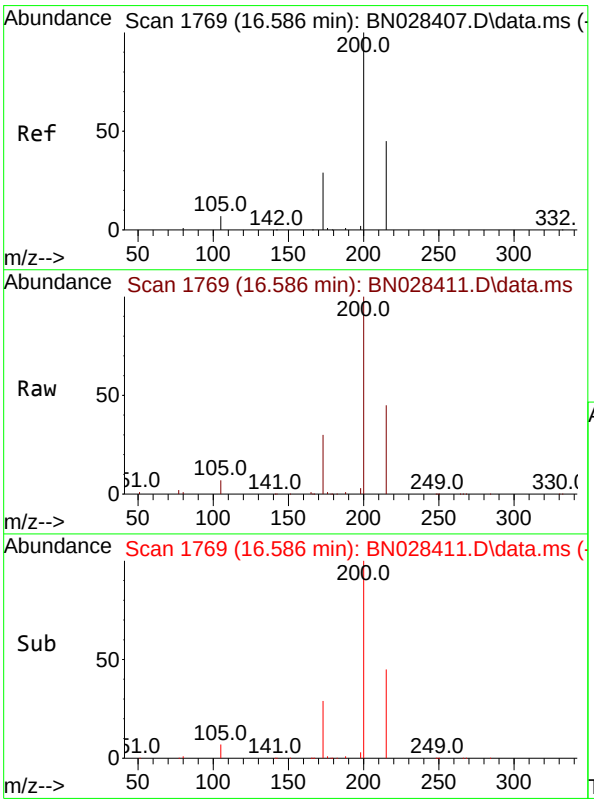
#22
Hexachlorobenzene
Concen: 5.307 ng
RT: 16.425 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 141353

Ion	Ratio	Lower	Upper
284	100		
142	37.7	31.8	47.6
249	31.0	25.0	37.6

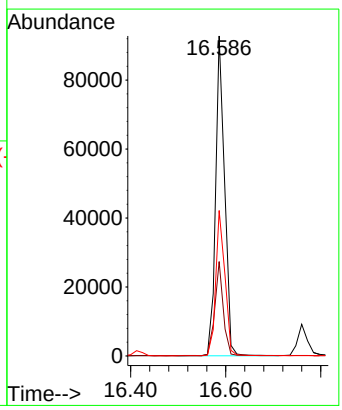


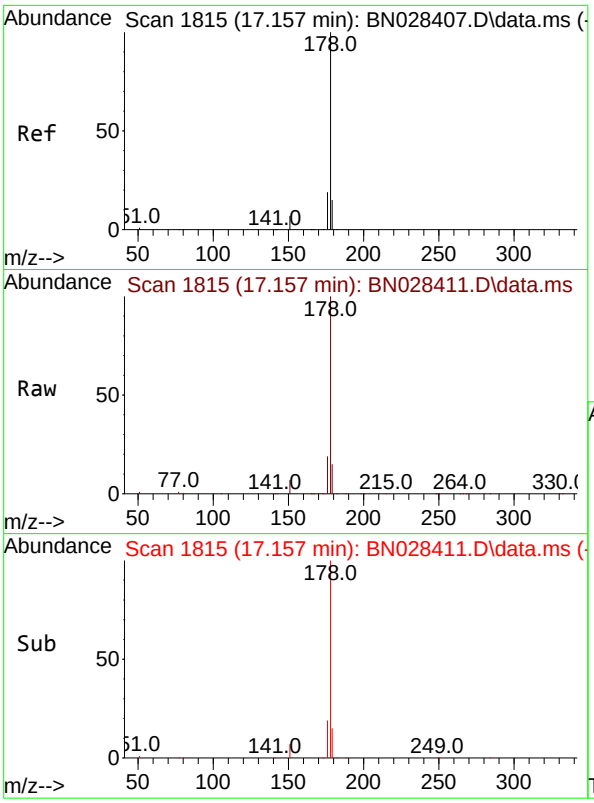


#23
Atrazine
Concen: 5.713 ng
RT: 16.586 min Scan# 1769
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:200 Resp: 120875

Ion	Ratio	Lower	Upper
200	100		
173	29.5	24.3	36.5
215	45.4	36.2	54.4



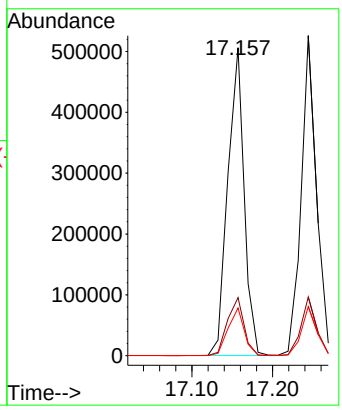


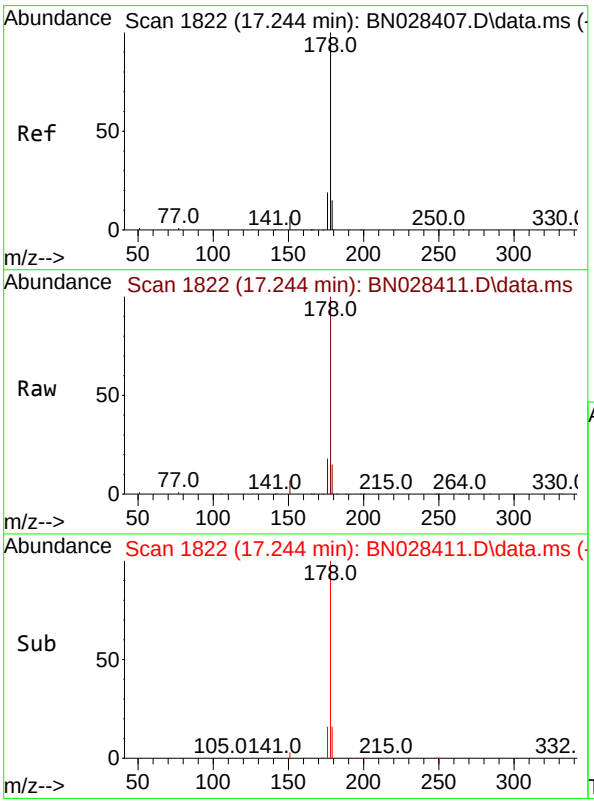
#25
Phenanthrene
Concen: 5.310 ng
RT: 17.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 713788

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.3	12.2	18.2

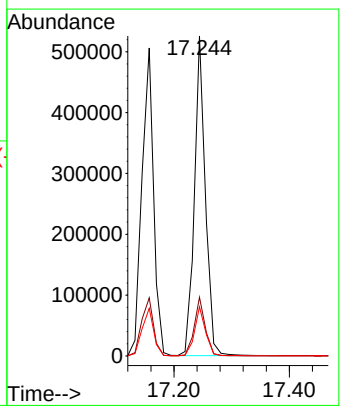


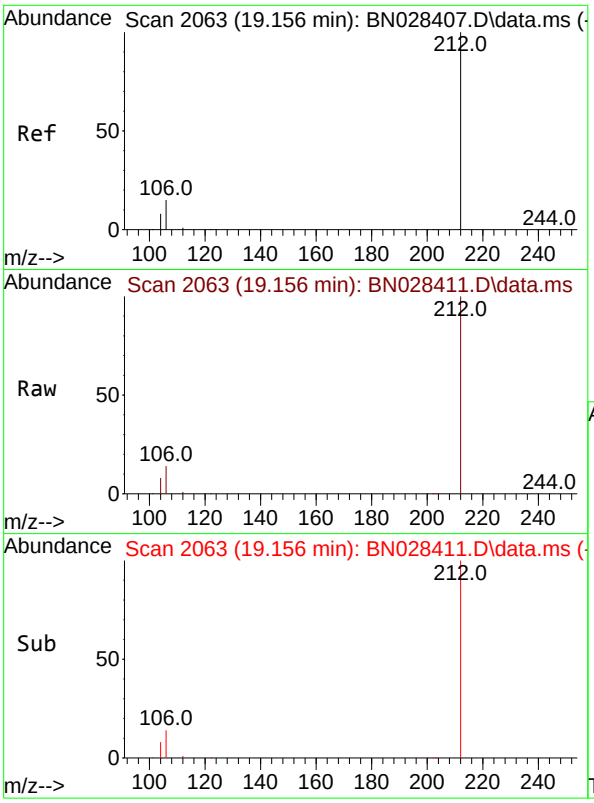


#26
Anthracene
Concen: 5.419 ng
RT: 17.244 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:178 Resp: 695521

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



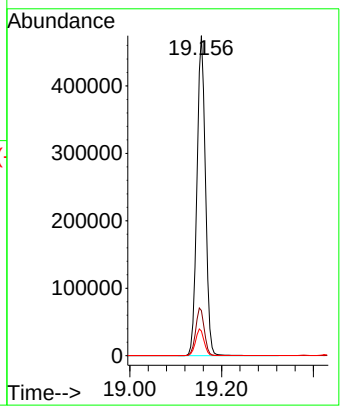


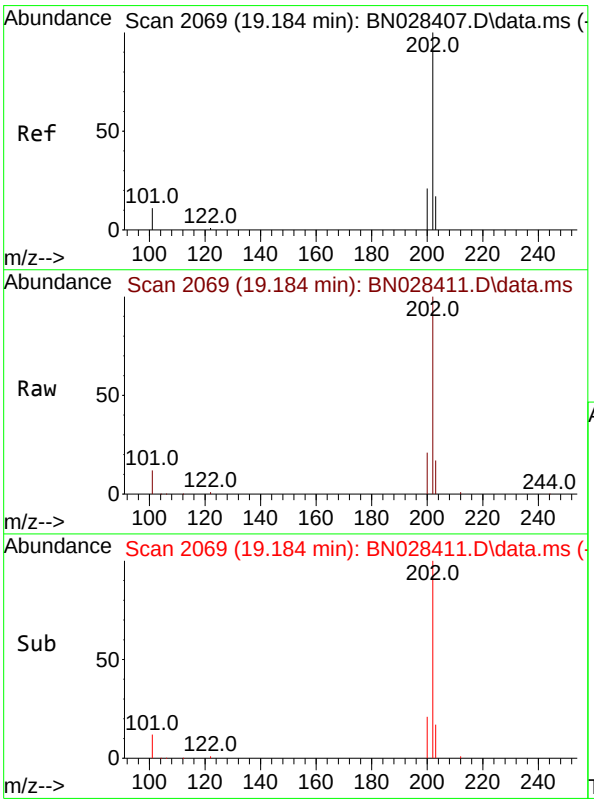
#27
Fluoranthene-d10
Concen: 5.396 ng
RT: 19.156 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 606857

Ion	Ratio	Lower	Upper
212	100		
106	15.1	11.9	17.9
104	8.3	6.7	10.1

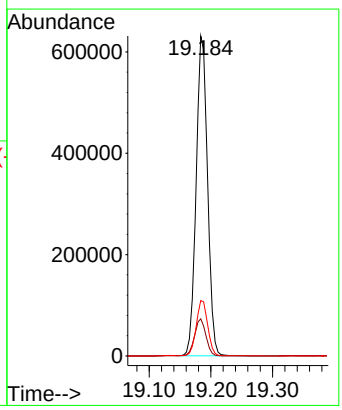


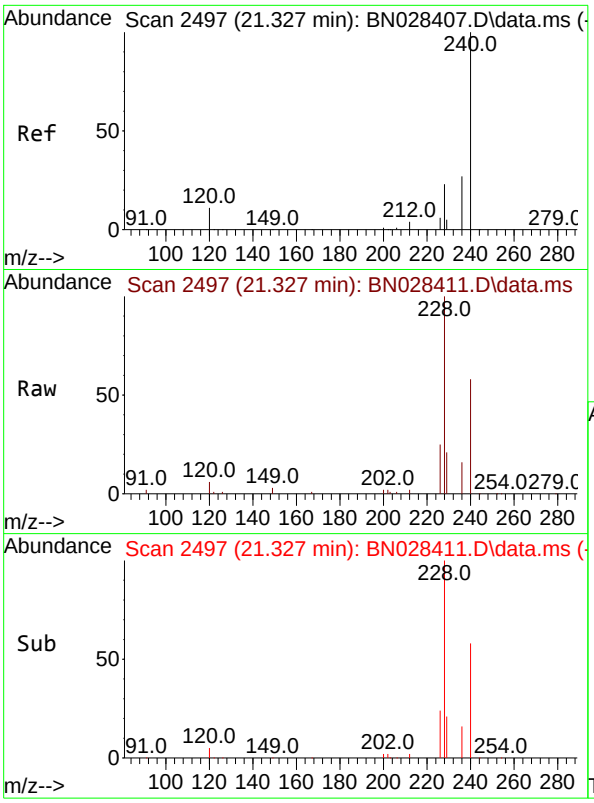


#28
Fluoranthene
Concen: 5.195 ng
RT: 19.184 min Scan# 2069
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:202 Resp: 815206

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.3	13.9
203	17.4	13.7	20.5



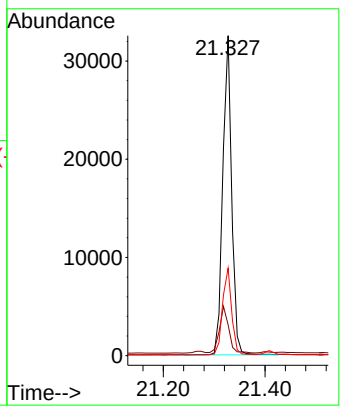


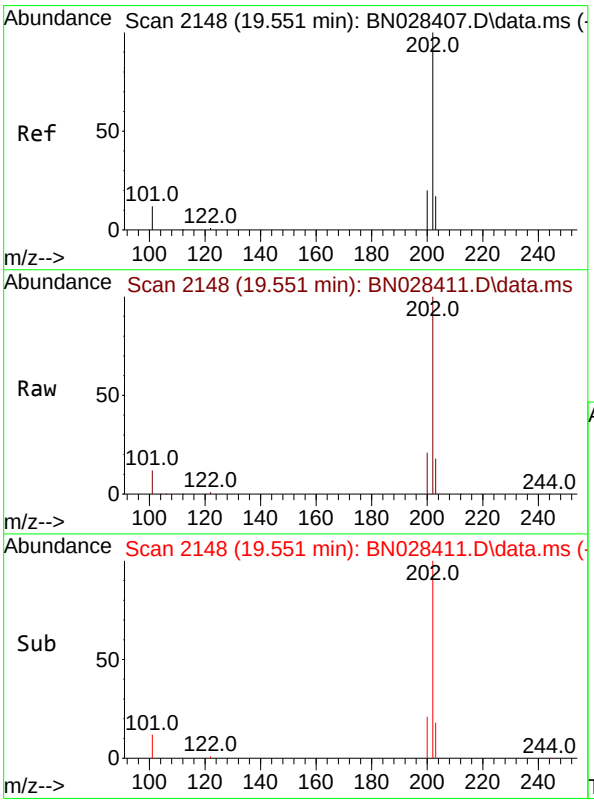
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.327 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 39459

Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.8	14.6#
236	27.4	22.2	33.2

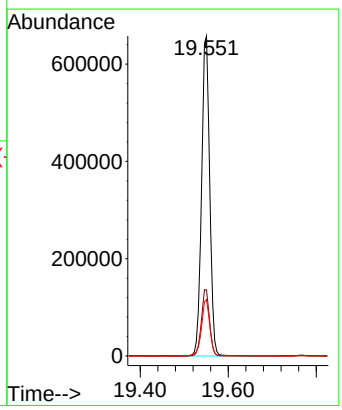


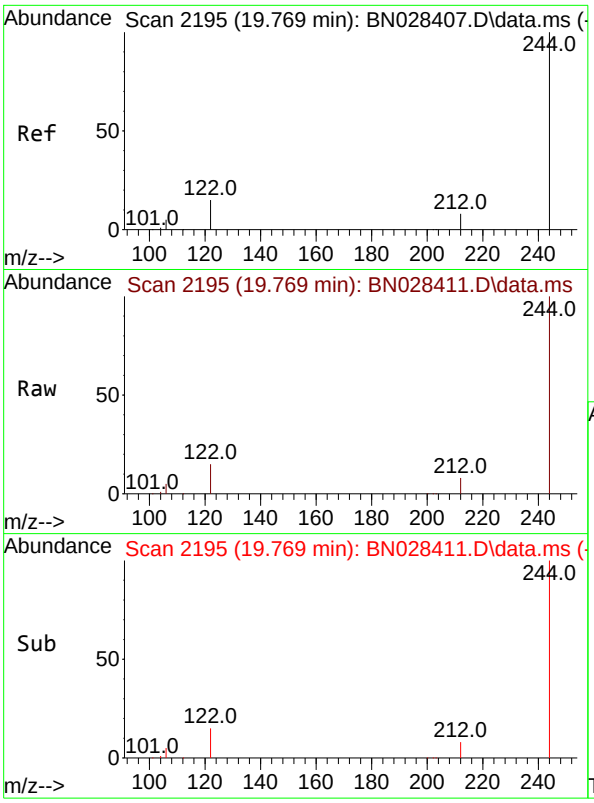


#30
Pyrene
Concen: 5.104 ng
RT: 19.551 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:202 Resp: 840051

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.9	14.2	21.2



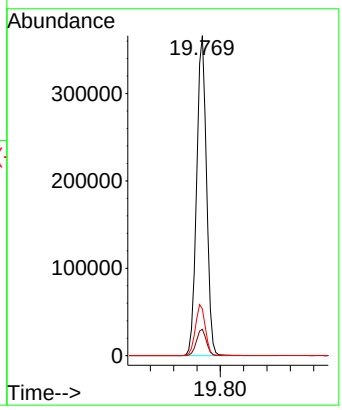


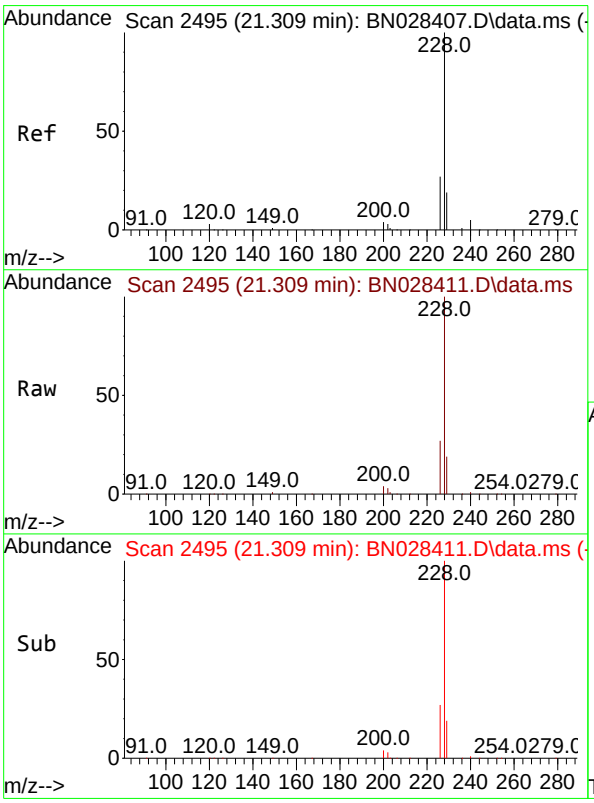
#31
Terphenyl-d14
Concen: 5.167 ng
RT: 19.769 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 429321

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.6	10.0
122	14.6	12.6	19.0

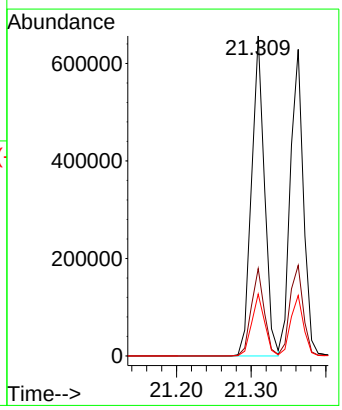


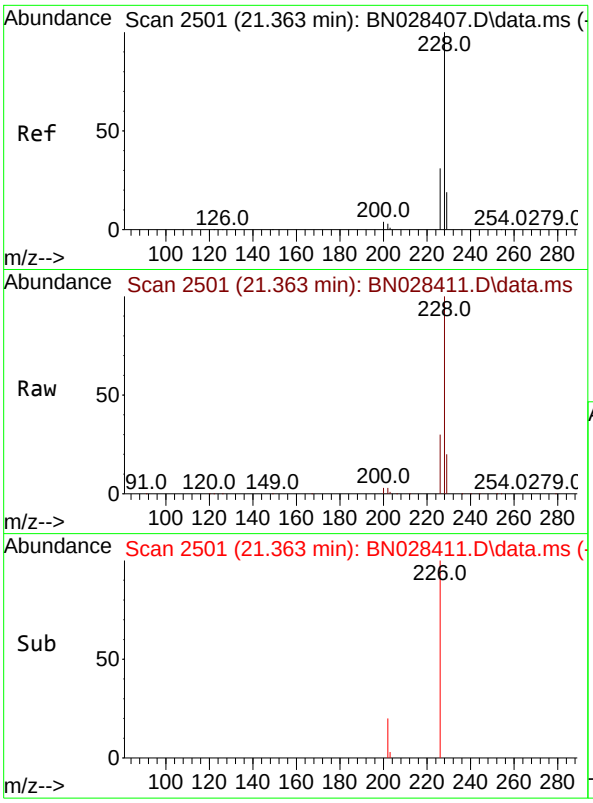


#32
Benzo(a)anthracene
Concen: 5.057 ng
RT: 21.309 min Scan# 2495
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:228 Resp: 791898

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.4	15.5	23.3



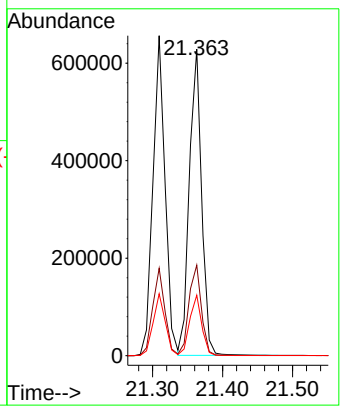


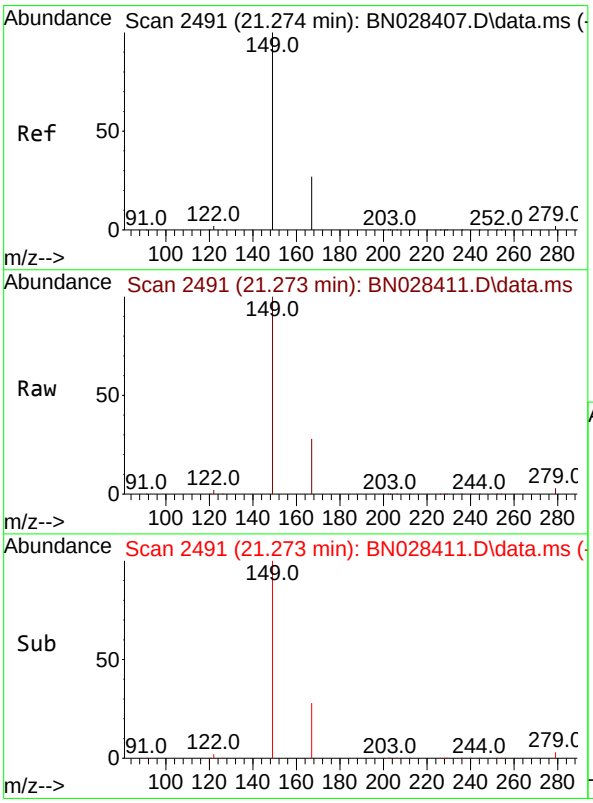
#33
Chrysene
Concen: 4.900 ng
RT: 21.363 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 764256

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.6	36.8
229	19.7	15.7	23.5

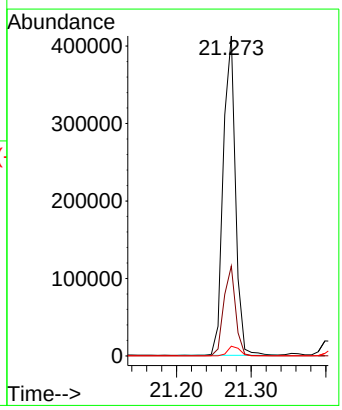


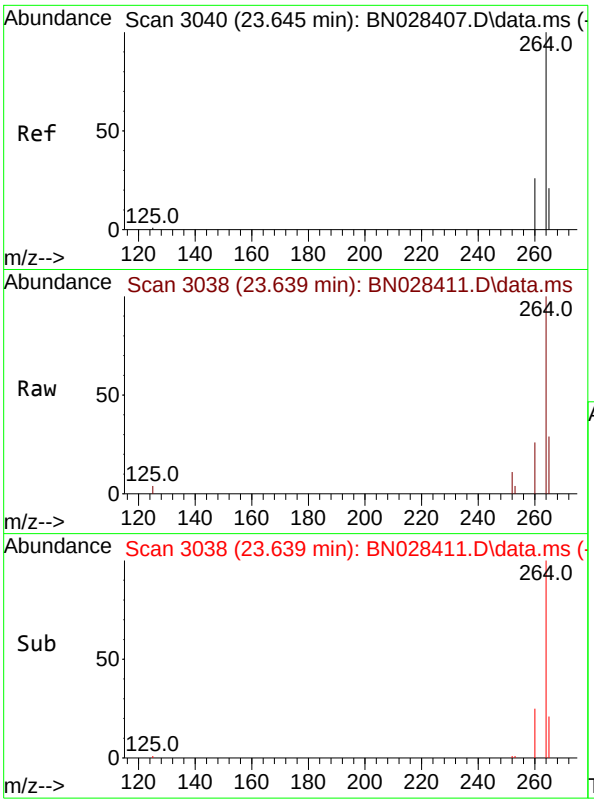


#34
Bis(2-ethylhexyl)phthalate
Concen: 5.816 ng
RT: 21.273 min Scan# 2491
Delta R.T. -0.001 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:149 Resp: 470845

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	3.0	2.3	3.5



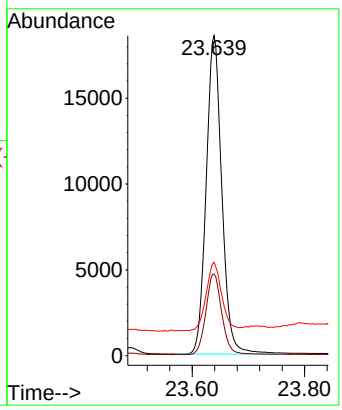


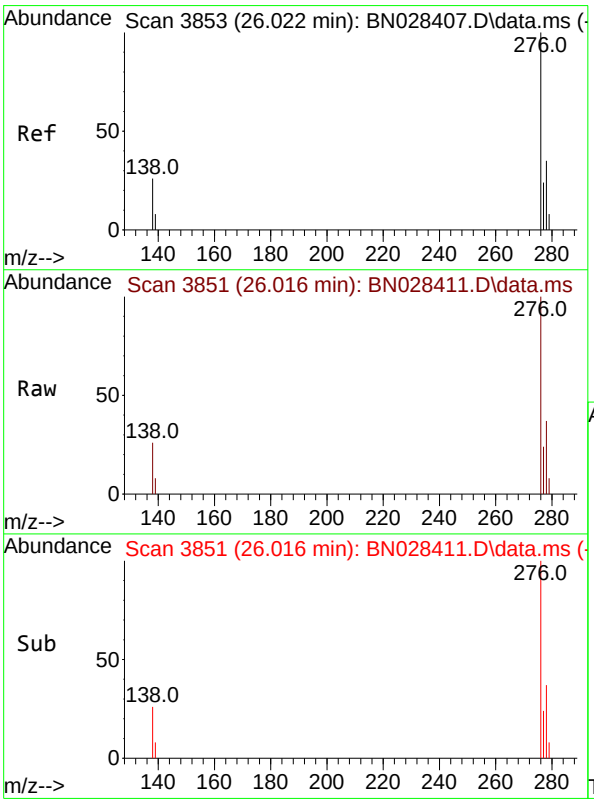
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.639 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 35839

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.8	31.2
265	29.2	21.7	32.5

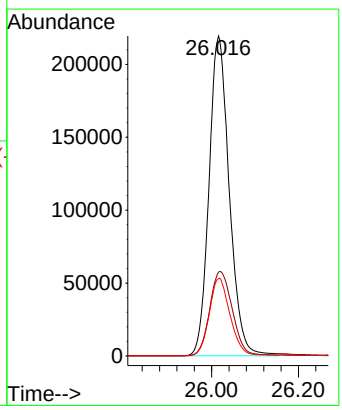


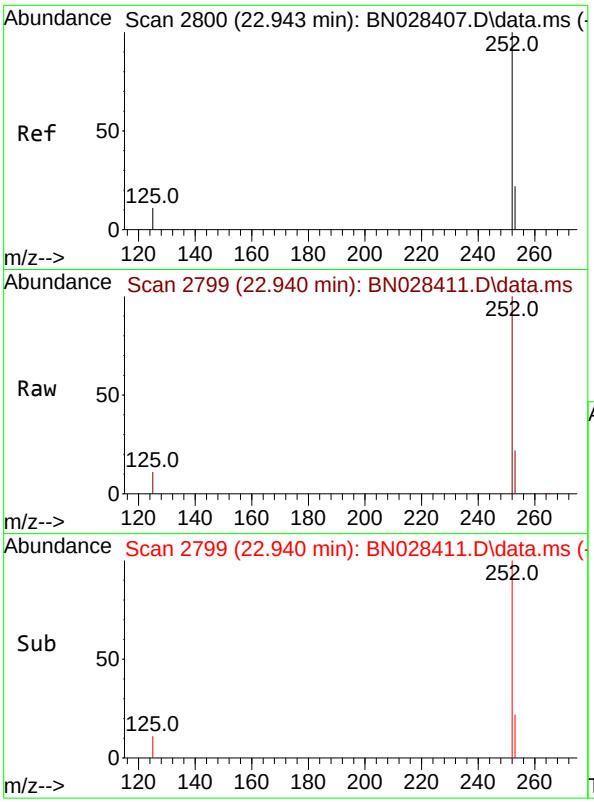


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.082 ng
RT: 26.016 min Scan# 3851
Delta R.T. -0.006 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:276 Resp: 711983

Ion	Ratio	Lower	Upper
276	100		
138	29.4	24.1	36.1
277	24.8	19.7	29.5



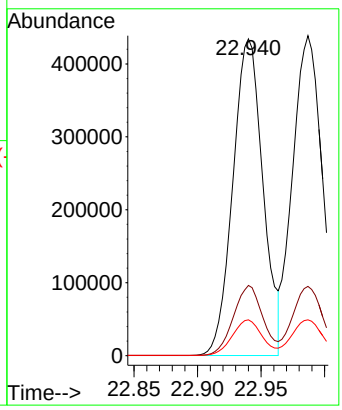


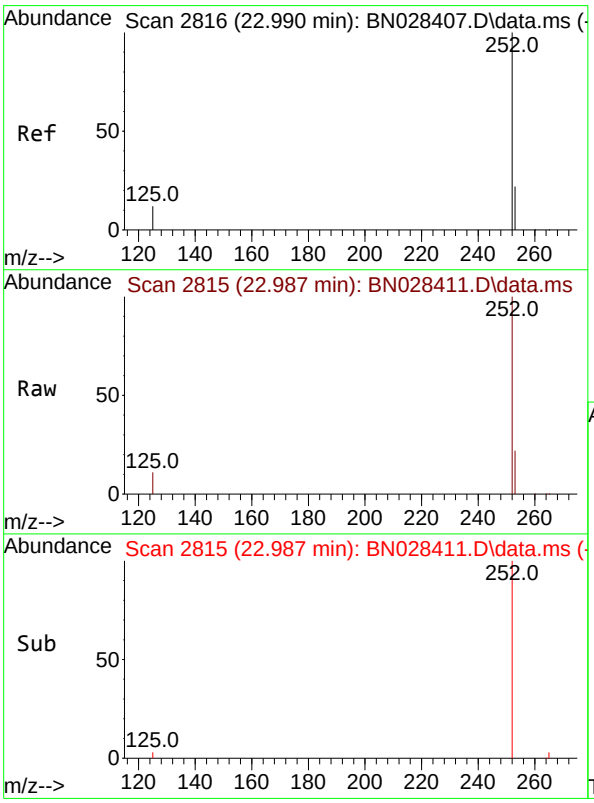
#37
Benzo(b)fluoranthene
Concen: 5.192 ng
RT: 22.940 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 715893

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	11.3	10.0	15.0

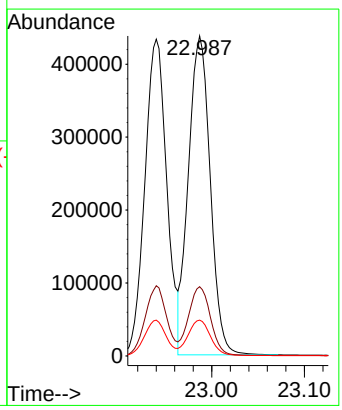


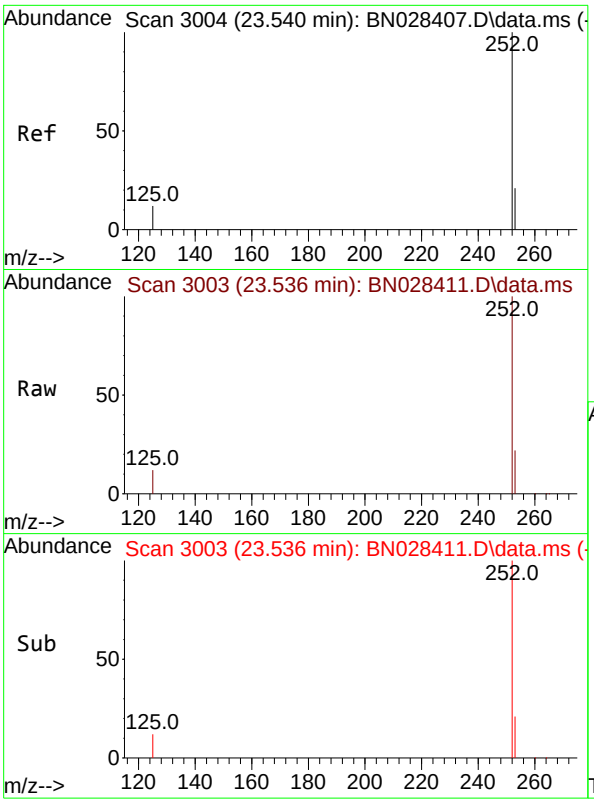


#38
Benzo(k)fluoranthene
Concen: 5.102 ng
RT: 22.987 min Scan# 2815
Delta R.T. -0.003 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:252 Resp: 715906

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	11.2	10.2	15.2



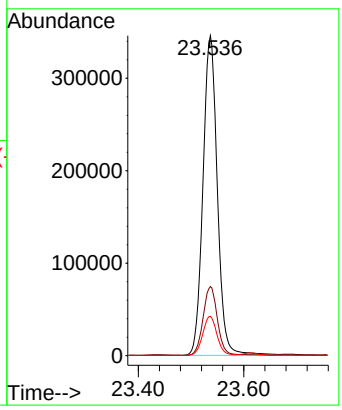


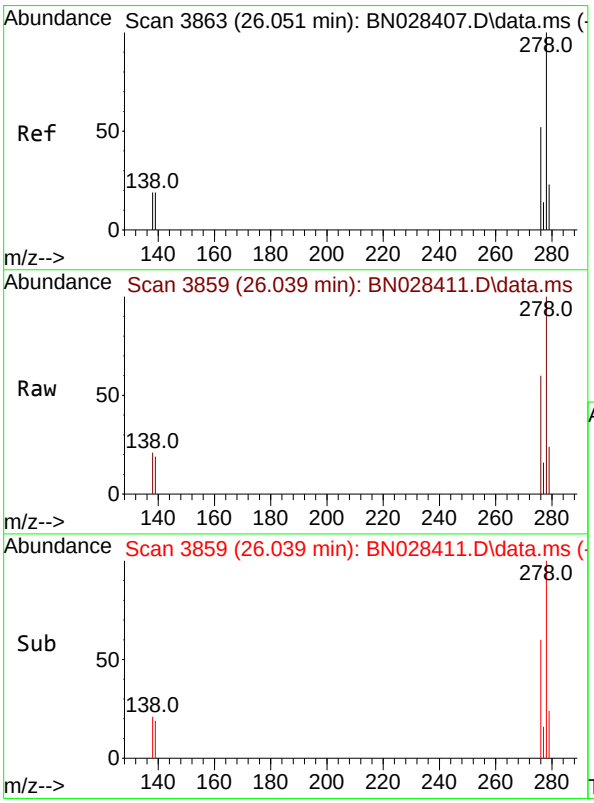
#39
Benzo(a)pyrene
Concen: 5.355 ng
RT: 23.536 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 653528

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	12.3	11.0	16.6

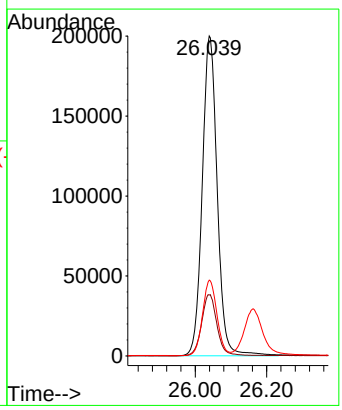


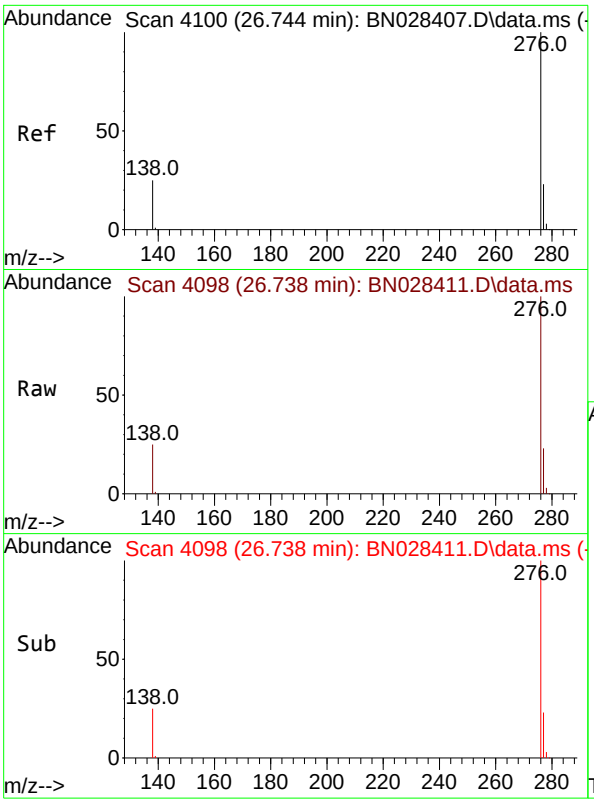


#40
Dibenzo(a,h)anthracene
Concen: 5.074 ng
RT: 26.039 min Scan# 3859
Delta R.T. -0.012 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Tgt Ion:278 Resp: 581532

Ion	Ratio	Lower	Upper
278	100		
139	19.1	15.8	23.8
279	23.7	19.7	29.5





#41
Benzo(g,h,i)perylene
Concen: 4.860 ng
RT: 26.738 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN028411.D
Acq: 01 Nov 2023 21:45

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 596438

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	25.4	21.1	31.7