Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031324\
Data File : BN030387.D
Acq On : 13 Mar 2024 18:11
Operator : MA/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Mar 14 11:20:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 11:09:54 2024
Response via : Initial Calibration

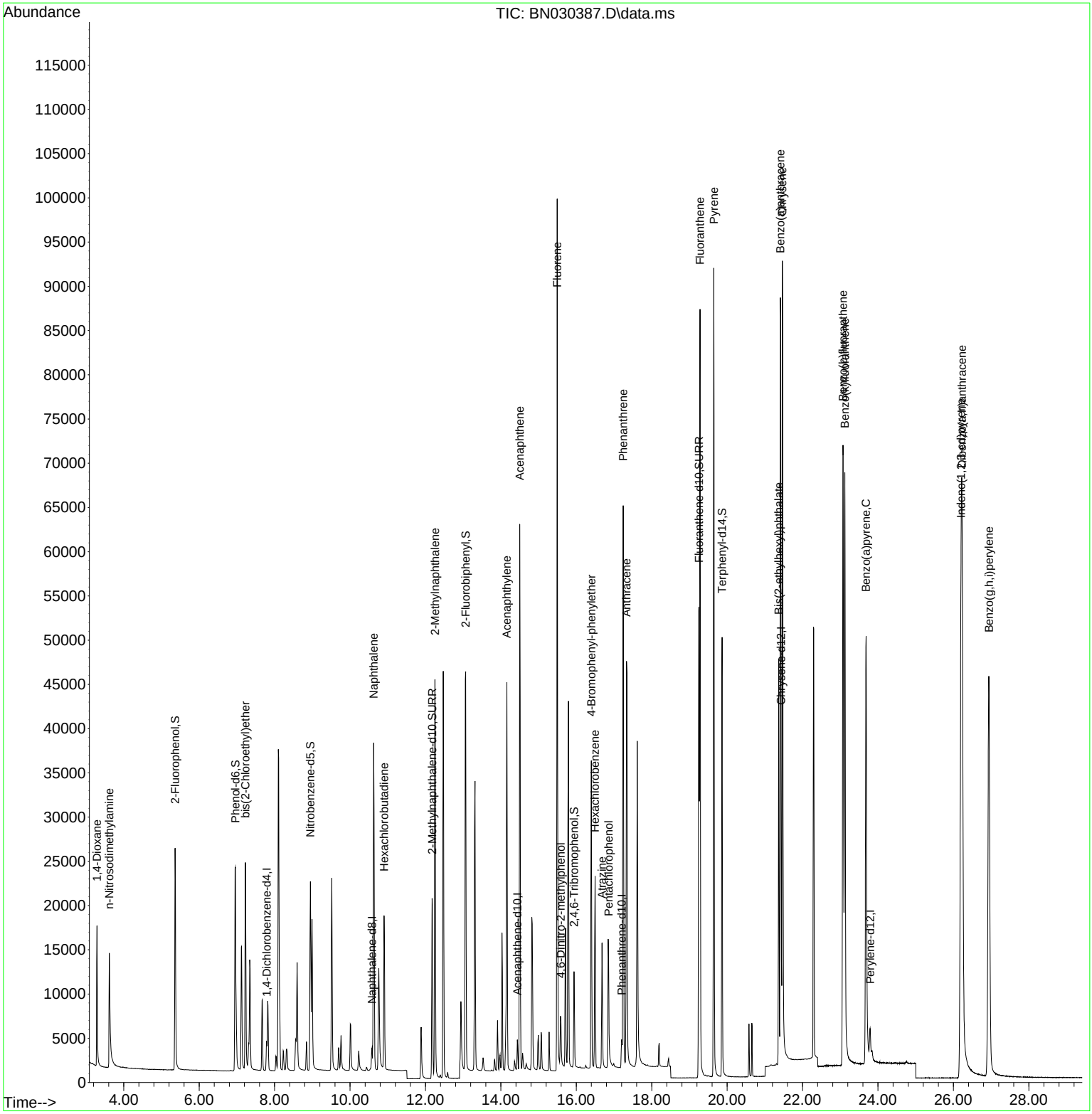
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.789	152	1635	0.400	ng		0.00
7) Naphthalene-d8	10.583	136	3579	0.400	ng	#	0.00
13) Acenaphthene-d10	14.436	164	2036	0.400	ng		-0.01
19) Phenanthrene-d10	17.206	188	4569	0.400	ng		0.00
29) Chrysene-d12	21.429	240	4722	0.400	ng	#	0.00
35) Perylene-d12	23.791	264	5384	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.363	112	20063	4.713	ng		0.00
5) Phenol-d6	6.959	99	22327	5.381	ng		0.00
8) Nitrobenzene-d5	8.950	82	18251	5.561	ng		-0.01
11) 2-Methylnaphthalene-d10	12.178	152	28753	5.173	ng		0.00
14) 2,4,6-Tribromophenol	15.940	330	6178	5.207	ng		-0.01
15) 2-Fluorobiphenyl	13.068	172	43580	5.317	ng		0.00
27) Fluoranthene-d10	19.252	212	66686	5.032	ng		0.00
31) Terphenyl-d14	19.865	244	51429	4.795	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.290	88	10408	4.585	ng		96
3) n-Nitrosodimethylamine	3.615	42	10574	5.078	ng	#	97
6) bis(2-Chloroethyl)ether	7.226	93	17566	5.267	ng		98
9) Naphthalene	10.626	128	48036	5.022	ng		94
10) Hexachlorobutadiene	10.904	225	14278	4.819	ng	#	99
12) 2-Methylnaphthalene	12.253	142	31413	5.096	ng		96
16) Acenaphthylene	14.158	152	47322	5.317	ng		100
17) Acenaphthene	14.500	154	29684	5.083	ng		99
18) Fluorene	15.494	166	37476	5.180	ng		98
20) 4,6-Dinitro-2-methylph...	15.592	198	5765	5.204	ng	#	22
21) 4-Bromophenyl-phenylether	16.399	248	14072	5.216	ng		93
22) Hexachlorobenzene	16.498	284	15865	4.924	ng		99
23) Atrazine	16.684	200	12012	4.948	ng	#	89
24) Pentachlorophenol	16.858	266	8709	5.165	ng		97
25) Phenanthrene	17.243	178	62371	5.132	ng		99
26) Anthracene	17.330	178	59427	5.337	ng		99
28) Fluoranthene	19.280	202	83150	5.070	ng		99
30) Pyrene	19.647	202	85871	4.873	ng		99
32) Benzo(a)anthracene	21.411	228	83816	5.341	ng		98
33) Chrysene	21.465	228	83785	4.840	ng		98
34) Bis(2-ethylhexyl)phtha...	21.366	149	37835	4.616	ng	#	97
36) Indeno(1,2,3-cd)pyrene	26.200	276	121739	5.311	ng	#	91
37) Benzo(b)fluoranthene	23.072	252	93790	5.341	ng	#	83
38) Benzo(k)fluoranthene	23.122	252	93033	5.236	ng	#	84
39) Benzo(a)pyrene	23.683	252	85638	5.252	ng	#	76
40) Dibenzo(a,h)anthracene	26.230	278	97102	5.350	ng	#	85
41) Benzo(g,h,i)perylene	26.943	276	109569	5.120	ng		95

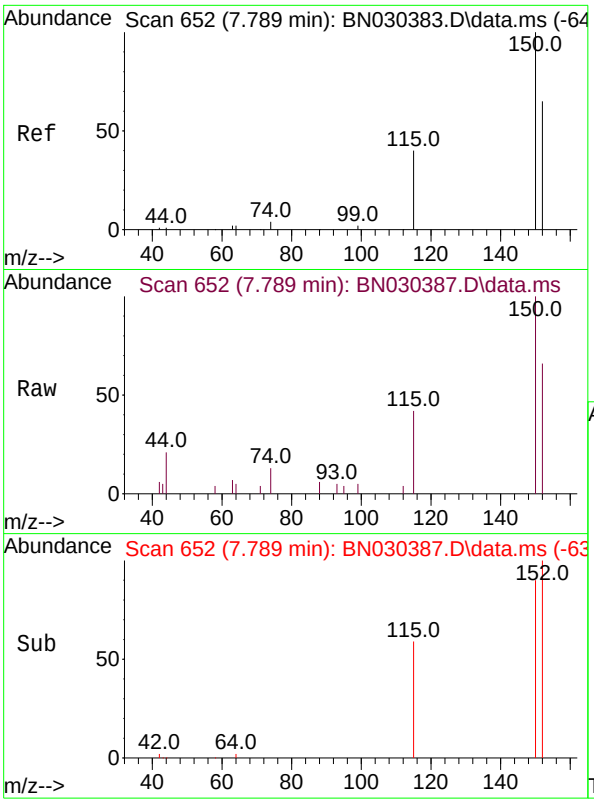
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031324\
Data File : BN030387.D
Acq On : 13 Mar 2024 18:11
Operator : MA/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Mar 14 11:20:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 11:09:54 2024
Response via : Initial Calibration



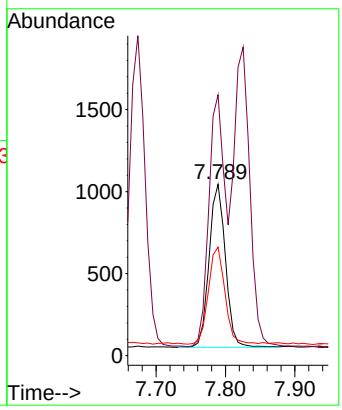


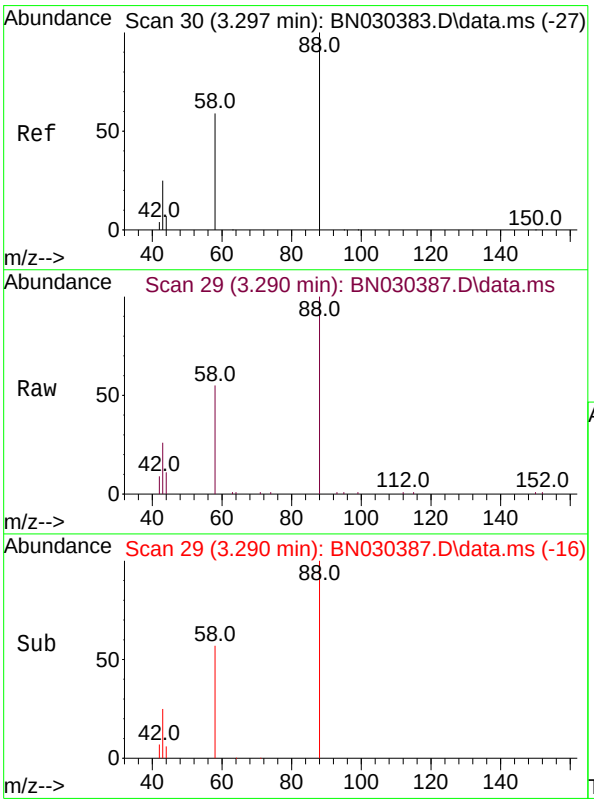
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 1635

Ion	Ratio	Lower	Upper
152	100		
150	152.2	120.4	180.6
115	63.3	52.8	79.2

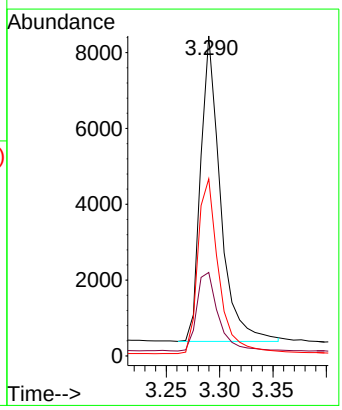


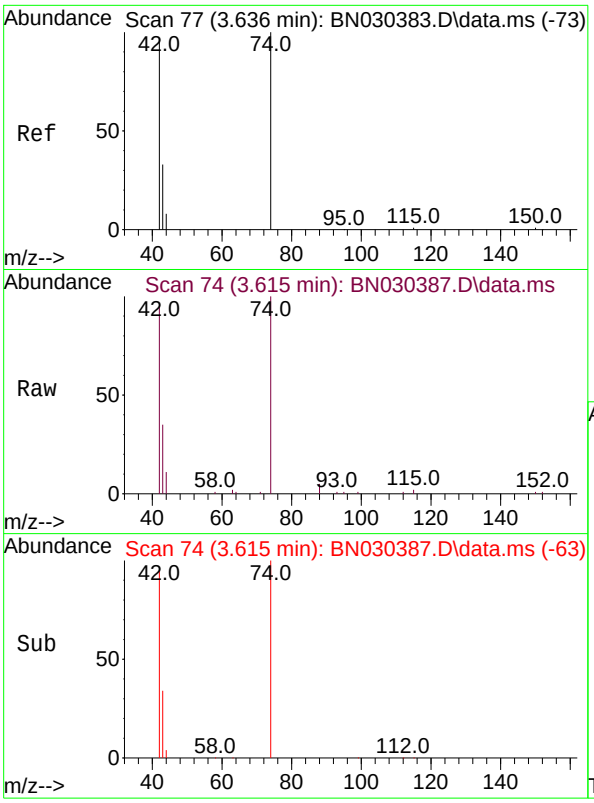


#2
1,4-Dioxane
Concen: 4.585 ng
RT: 3.290 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion: 88 Resp: 10408

Ion	Ratio	Lower	Upper
88	100		
43	28.1	23.4	35.0
58	60.9	46.1	69.1



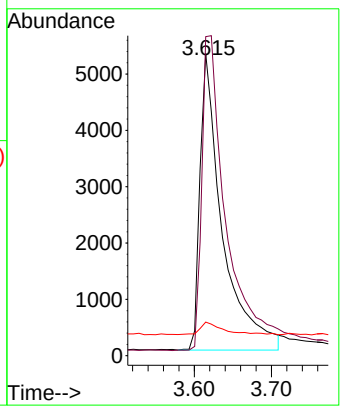


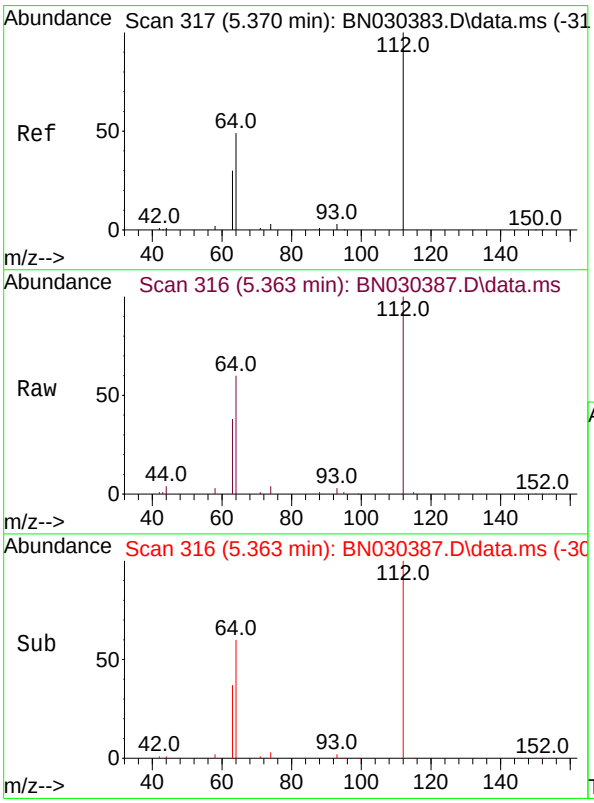
#3
n-Nitrosodimethylamine
Concen: 5.078 ng
RT: 3.615 min Scan# 7
Delta R.T. -0.022 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 10574

Ion	Ratio	Lower	Upper
42	100		
74	116.5	95.4	143.0
44	4.5	6.6	10.0#

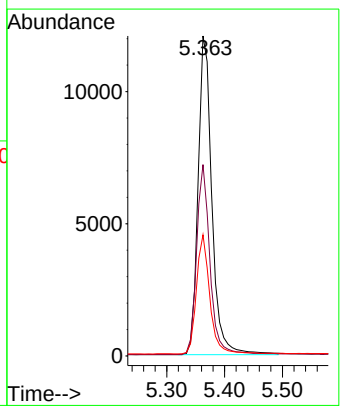


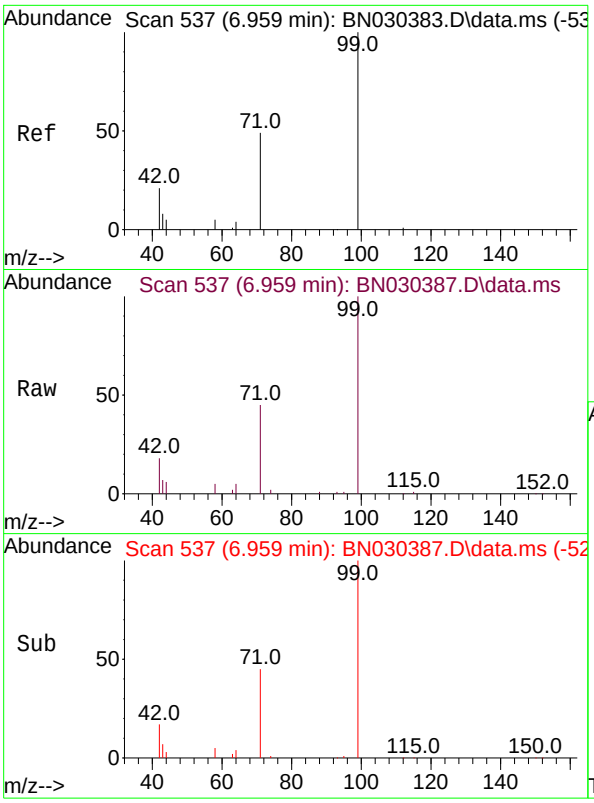


#4
2-Fluorophenol
Concen: 4.713 ng
RT: 5.363 min Scan# 316
Delta R.T. -0.007 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:112 Resp: 20063

Ion	Ratio	Lower	Upper
112	100		
64	58.1	45.6	68.4
63	36.2	28.2	42.4



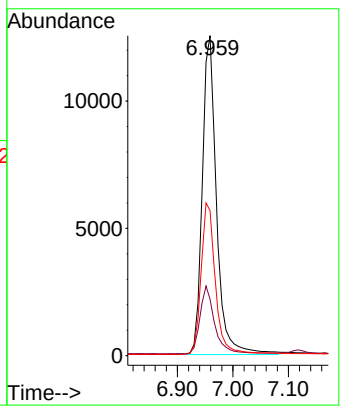


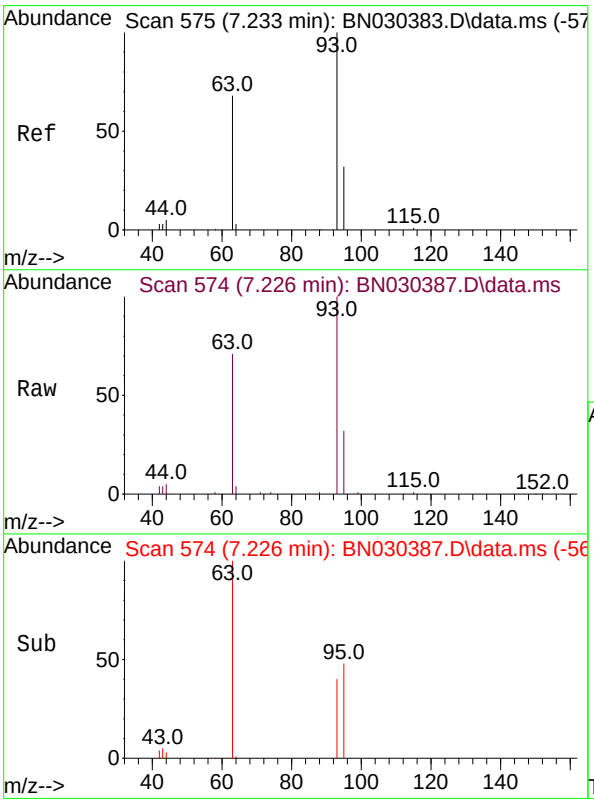
#5
Phenol-d6
Concen: 5.381 ng
RT: 6.959 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 22327

Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.0	25.6
71	48.1	37.0	55.6

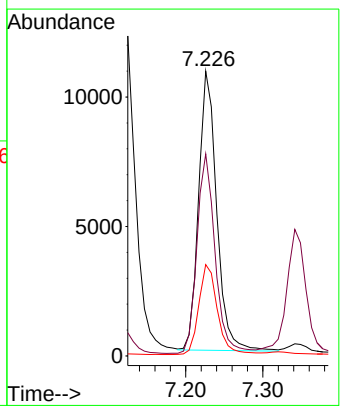


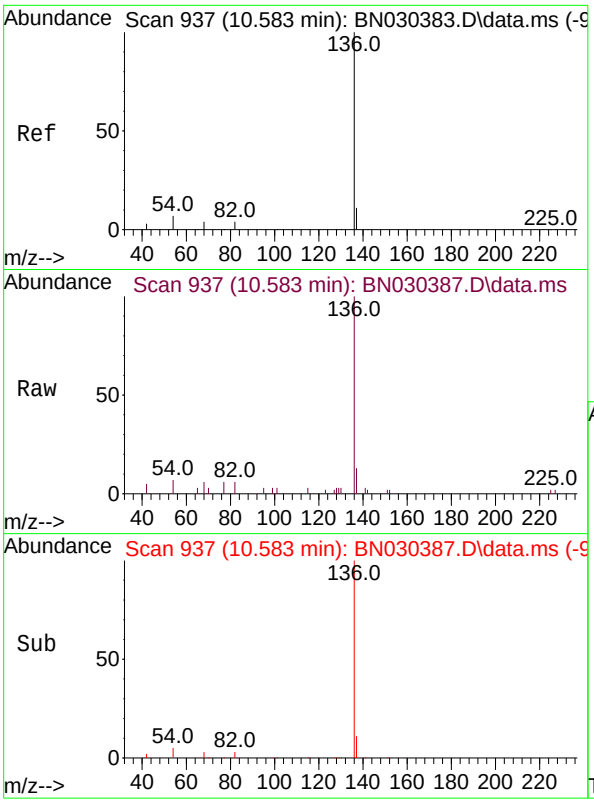


#6
bis(2-Chloroethyl)ether
Concen: 5.267 ng
RT: 7.226 min Scan# 574
Delta R.T. -0.007 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion: 93 Resp: 17566

Ion	Ratio	Lower	Upper
93	100		
63	71.7	58.9	88.3
95	32.9	27.3	40.9



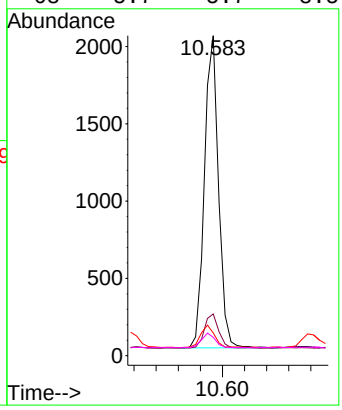


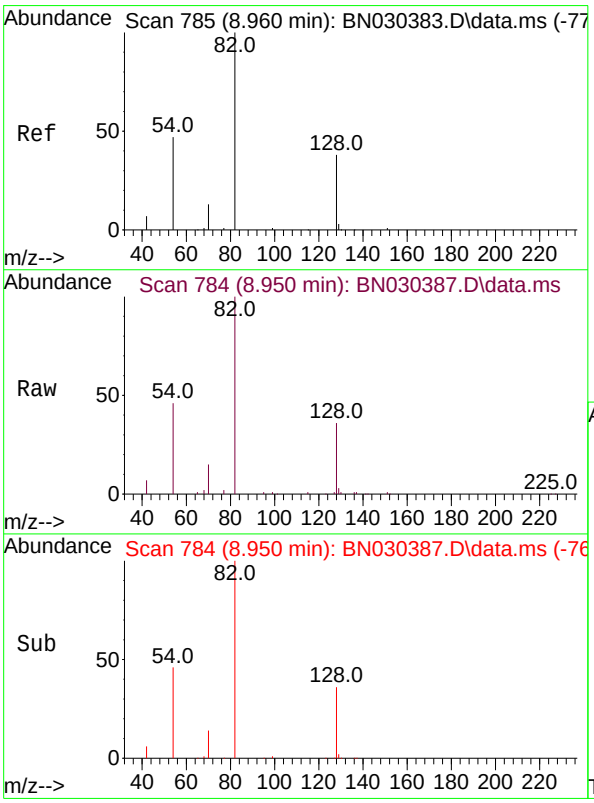
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.583 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 3579

Ion	Ratio	Lower	Upper
136	100		
137	13.0	11.0	16.6
54	7.1	7.8	11.8#
68	5.7	5.7	8.5

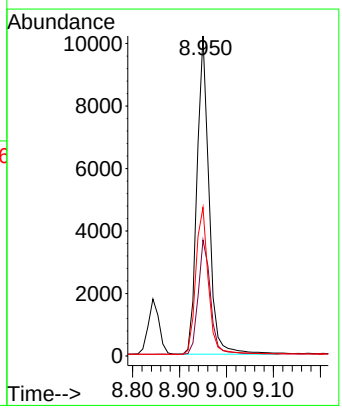


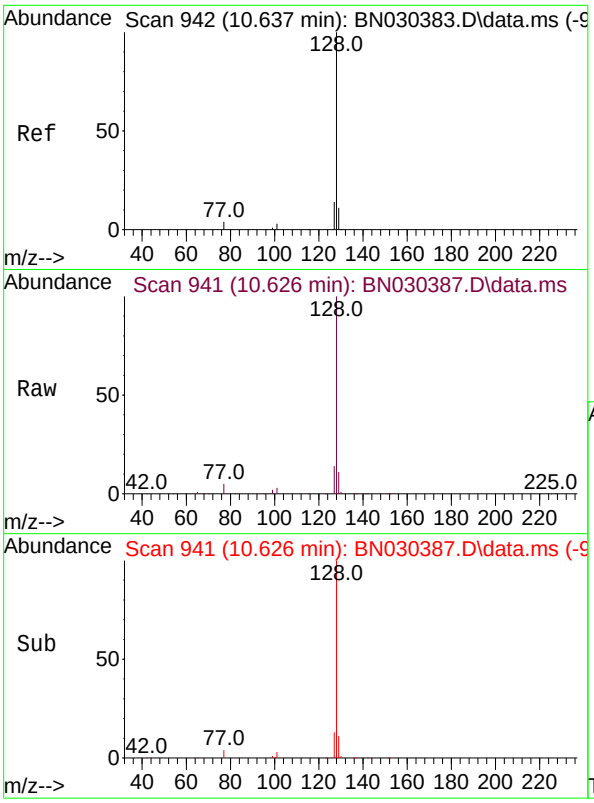


#8
Nitrobenzene-d5
Concen: 5.561 ng
RT: 8.950 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion: 82 Resp: 18251

Ion	Ratio	Lower	Upper
82	100		
128	36.3	35.2	52.8
54	46.5	41.5	62.3



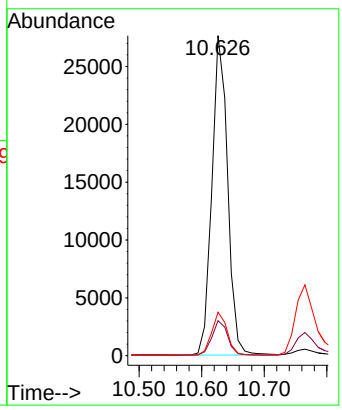


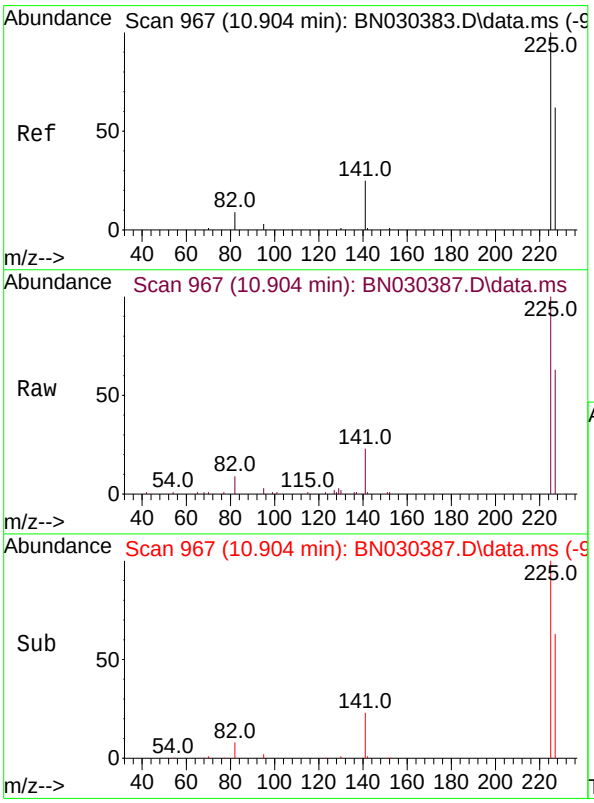
#9
Naphthalene
Concen: 5.022 ng
RT: 10.626 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 48036

Ion	Ratio	Lower	Upper
128	100		
129	11.0	10.8	16.2
127	13.6	12.9	19.3

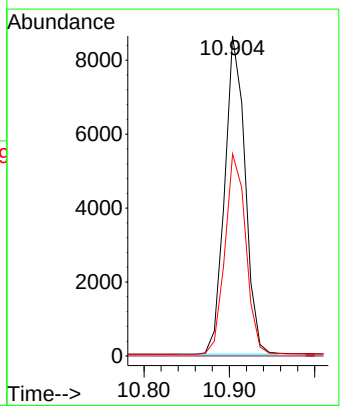


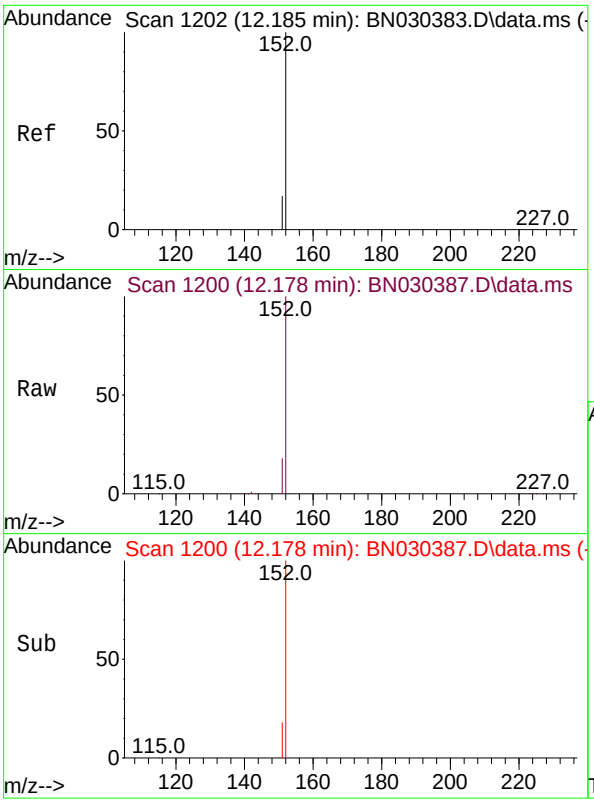


#10
Hexachlorobutadiene
Concen: 4.819 ng
RT: 10.904 min Scan# 967
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:225 Resp: 14278

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.5	75.7



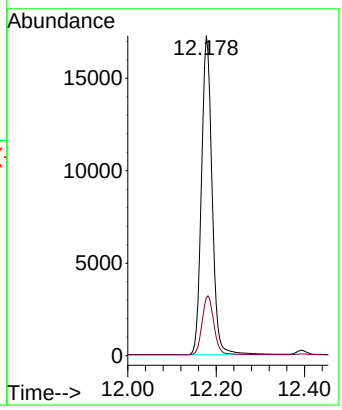


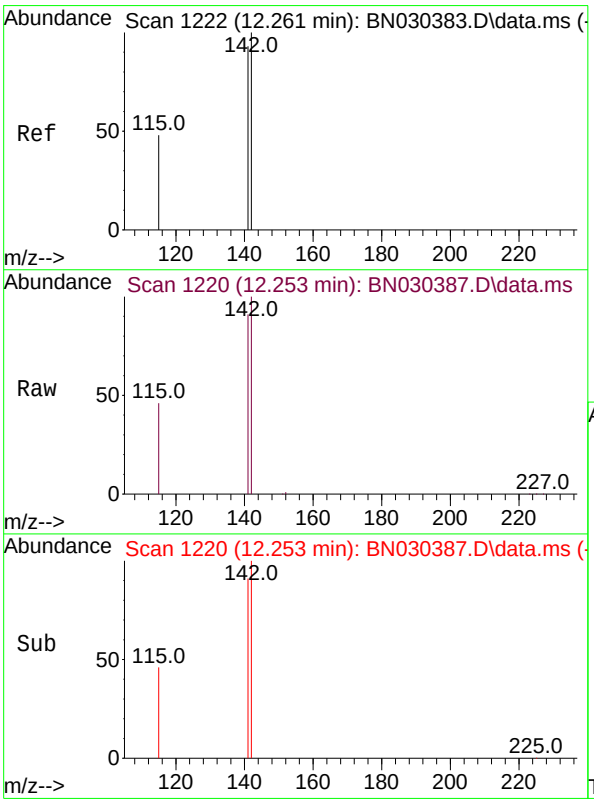
#11
2-Methylnaphthalene-d10
Concen: 5.173 ng
RT: 12.178 min Scan# 1
Delta R.T. -0.008 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 28753

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.8	23.8

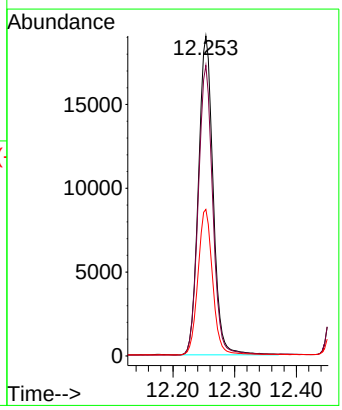


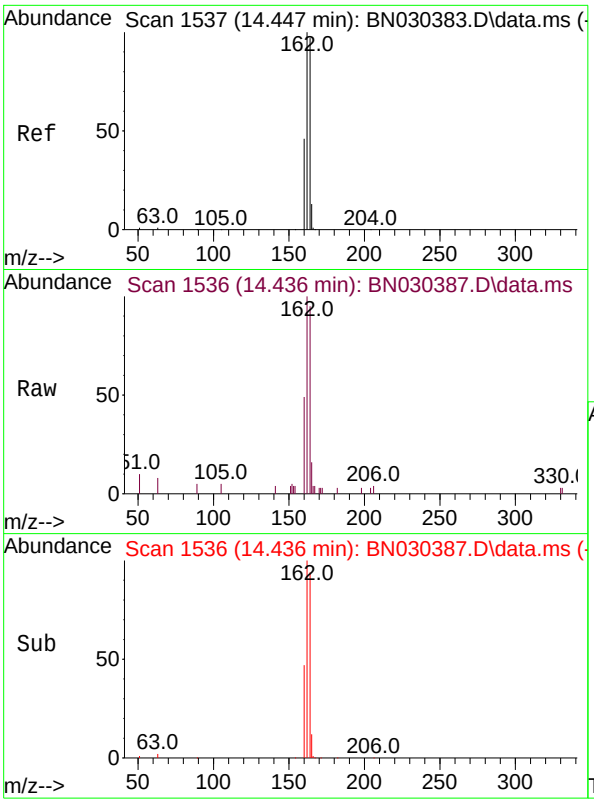


#12
2-Methylnaphthalene
Concen: 5.096 ng
RT: 12.253 min Scan# 1220
Delta R.T. -0.008 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:142 Resp: 31413

Ion	Ratio	Lower	Upper
142	100		
141	90.8	74.2	111.4
115	45.8	41.4	62.0



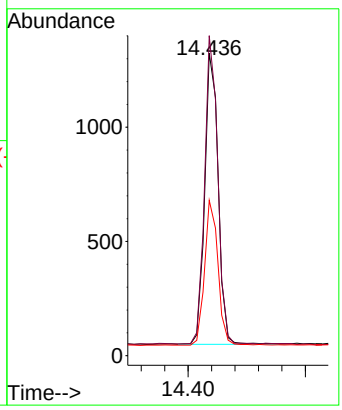


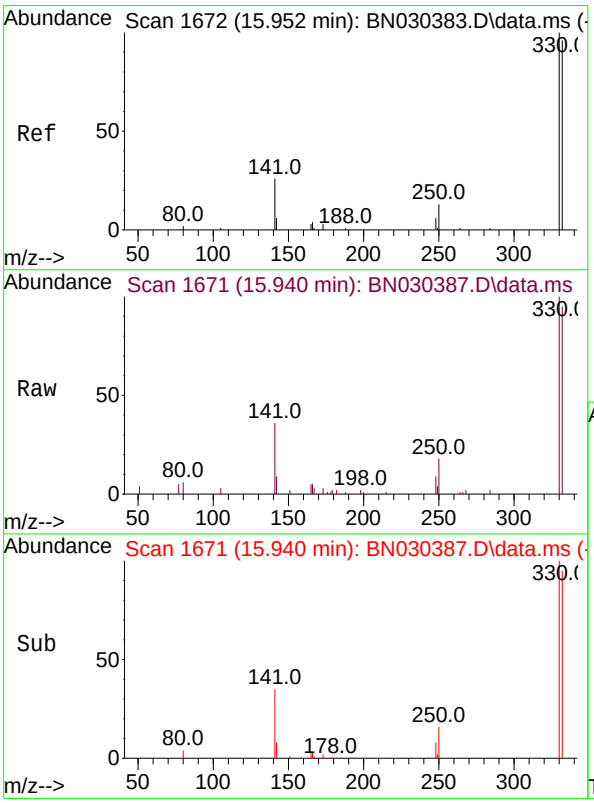
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.436 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 2036

Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.6	124.0
160	51.3	39.5	59.3

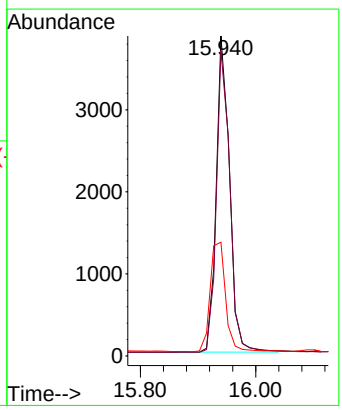


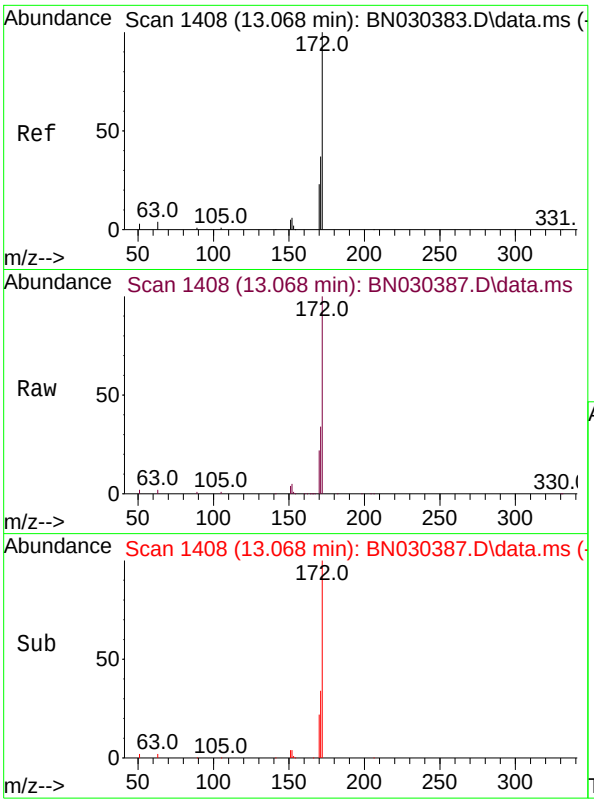


#14
2,4,6-Tribromophenol
Concen: 5.207 ng
RT: 15.940 min Scan# 1671
Delta R.T. -0.012 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:330 Resp: 6178

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.2	115.8
141	40.0	31.4	47.2



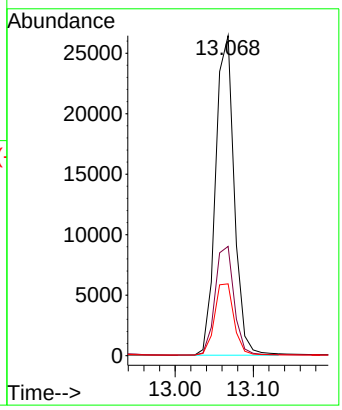


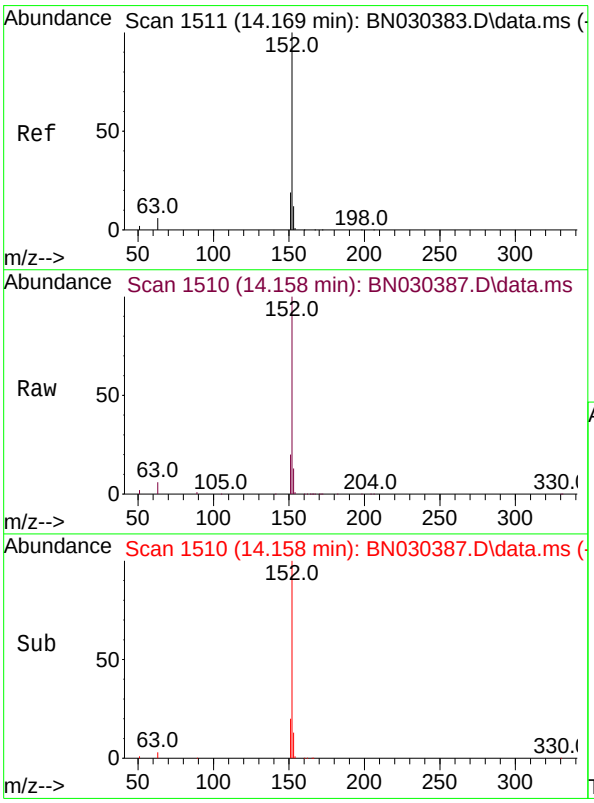
#15
2-Fluorobiphenyl
Concen: 5.317 ng
RT: 13.068 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 43580

Ion	Ratio	Lower	Upper
172	100		
171	34.2	31.0	46.6
170	22.5	20.6	31.0

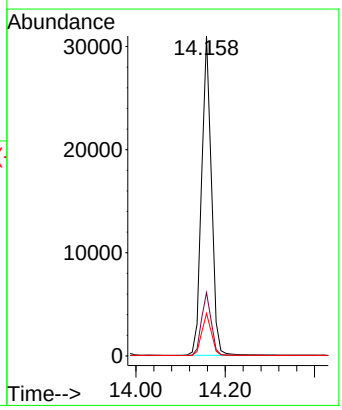


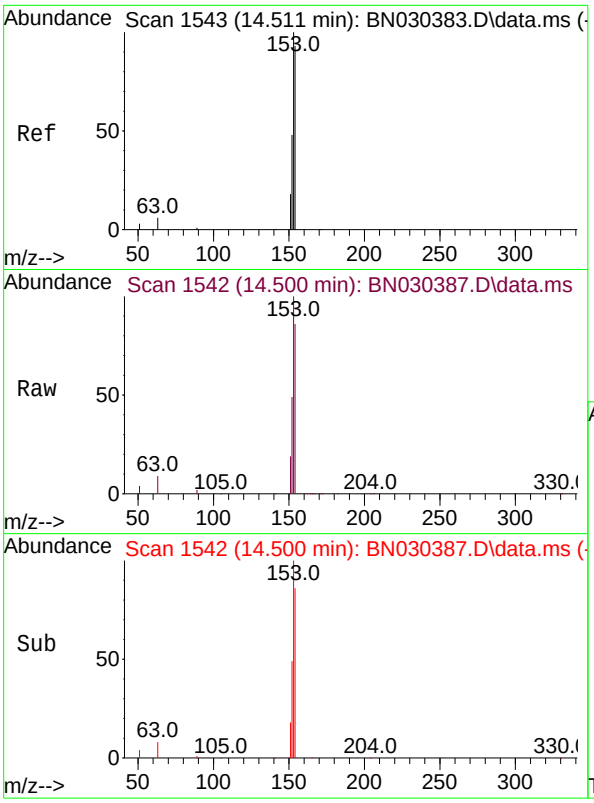


#16
Acenaphthylene
Concen: 5.317 ng
RT: 14.158 min Scan# 1510
Delta R.T. -0.011 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:152 Resp: 47322

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.4	15.6



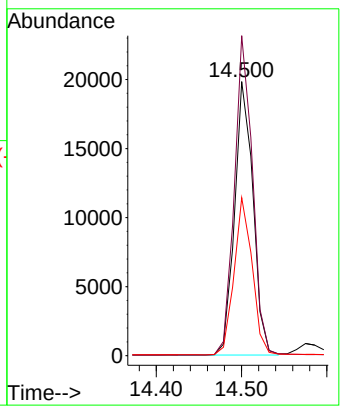


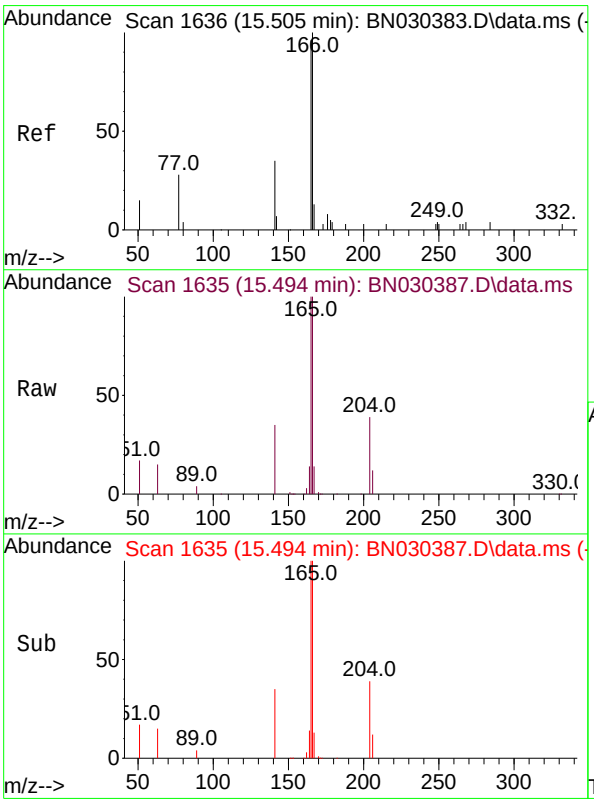
#17
Acenaphthene
Concen: 5.083 ng
RT: 14.500 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 29684

Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.6	137.4
152	56.6	45.9	68.9

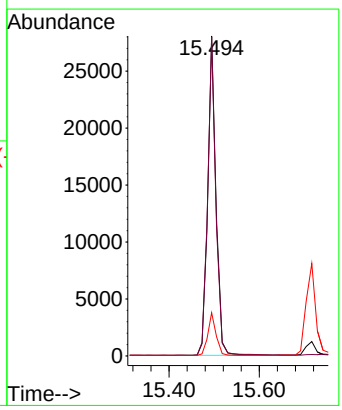


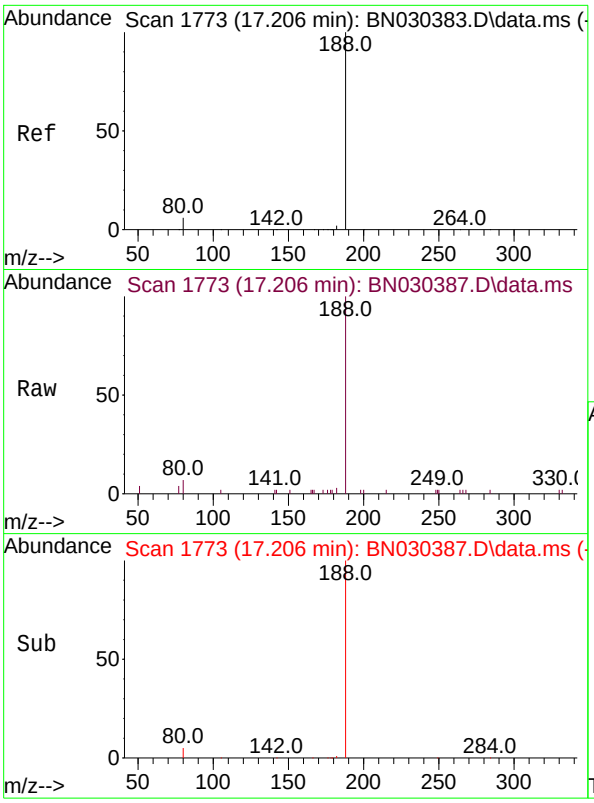


#18
Fluorene
Concen: 5.180 ng
RT: 15.494 min Scan# 1635
Delta R.T. -0.011 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:166 Resp: 37476

Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.0	118.4
167	13.3	10.2	15.4



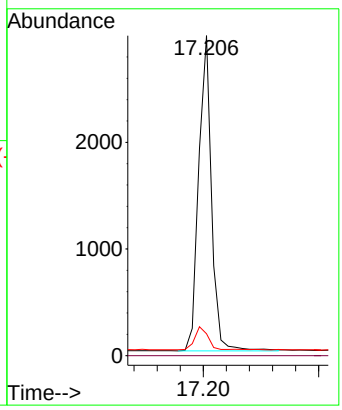


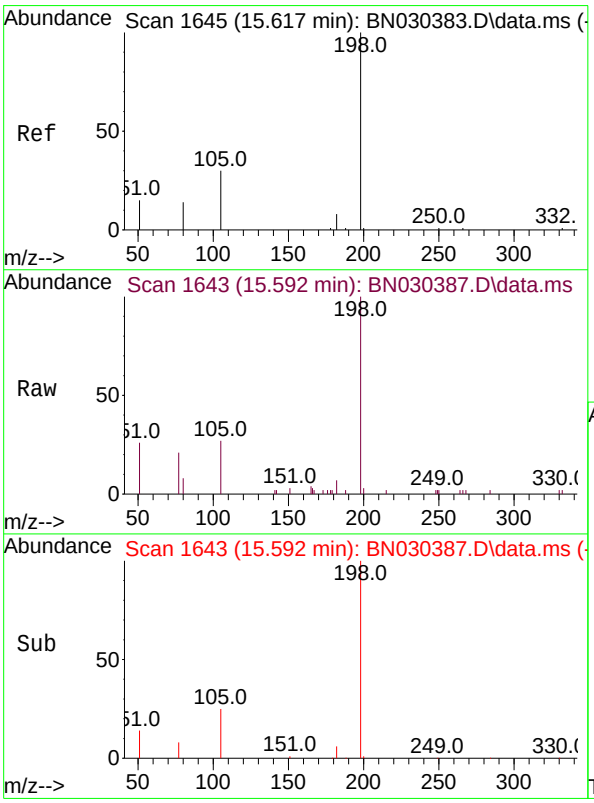
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 4569

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	6.4	9.6

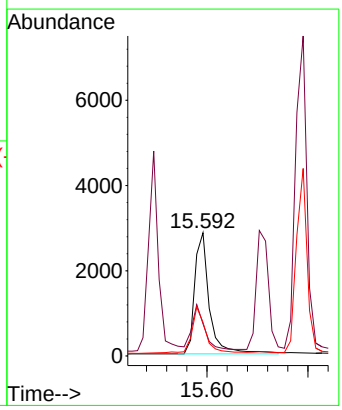


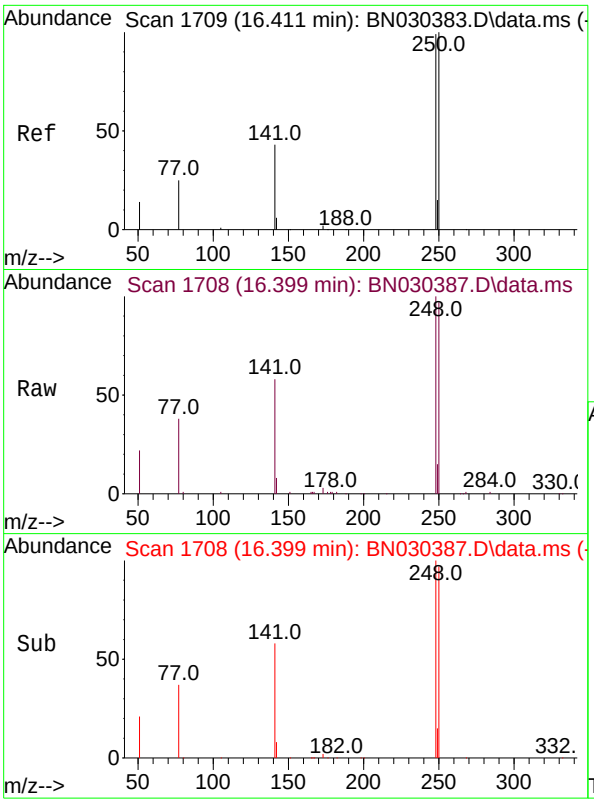


#20
4,6-Dinitro-2-methylphenol
Concen: 5.204 ng
RT: 15.592 min Scan# 1643
Delta R.T. -0.025 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:198 Resp: 5765

Ion	Ratio	Lower	Upper
198	100		
51	26.2	110.8	166.2#
105	27.3	51.7	77.5#



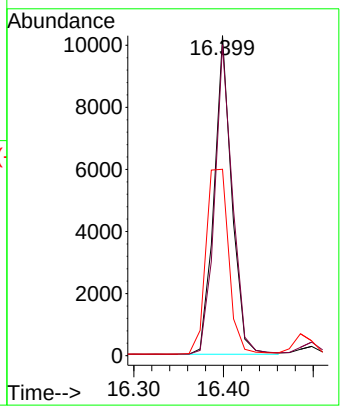


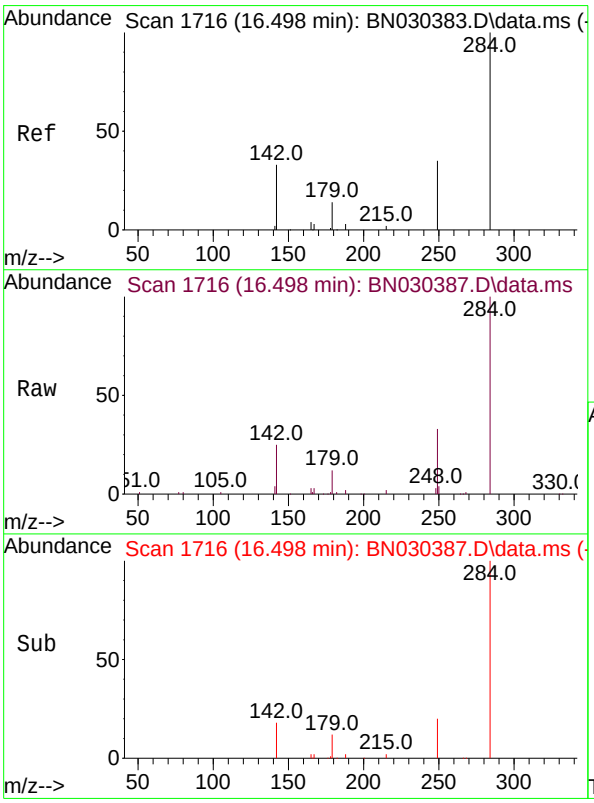
#21
4-Bromophenyl-phenylether
Concen: 5.216 ng
RT: 16.399 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 14072

Ion	Ratio	Lower	Upper
248	100		
250	97.2	81.0	121.4
141	58.3	39.2	58.8

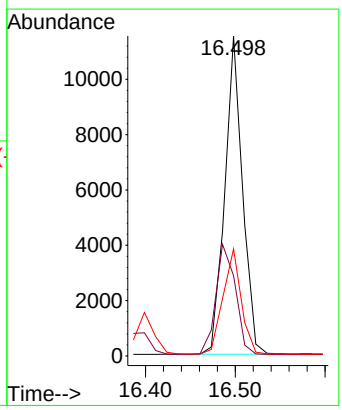


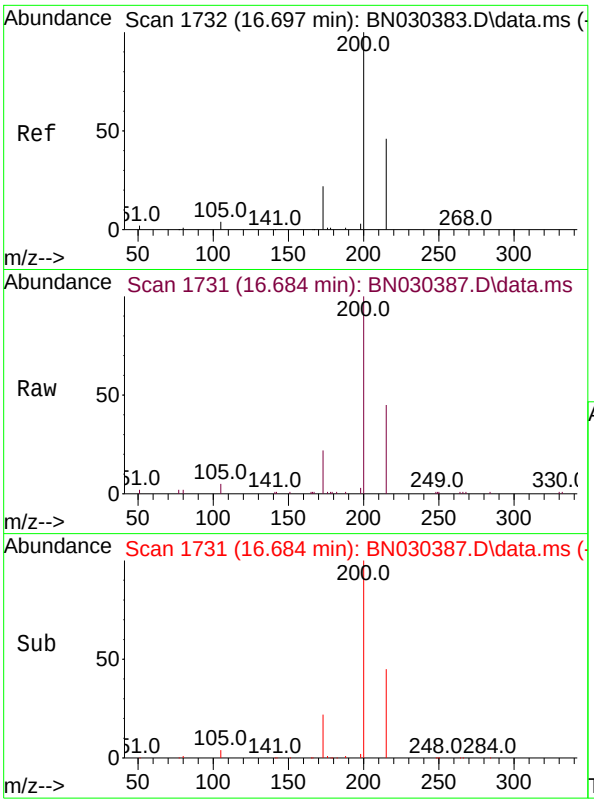


#22
Hexachlorobenzene
Concen: 4.924 ng
RT: 16.498 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:284 Resp: 15865

Ion	Ratio	Lower	Upper
284	100		
142	38.0	29.7	44.5
249	33.8	27.2	40.8



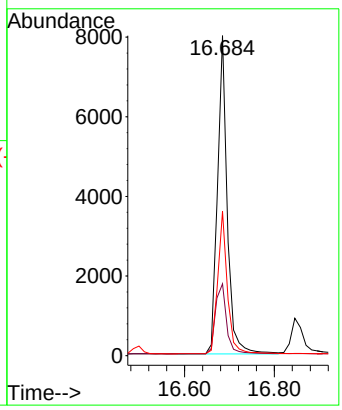


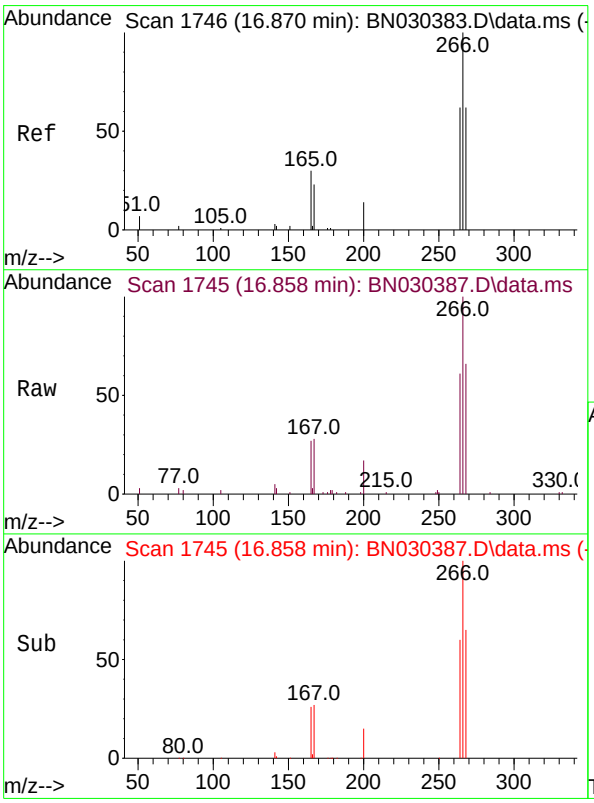
#23
Atrazine
Concen: 4.948 ng
RT: 16.684 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 12012

Ion	Ratio	Lower	Upper
200	100		
173	22.5	23.5	35.3#
215	45.1	41.3	61.9

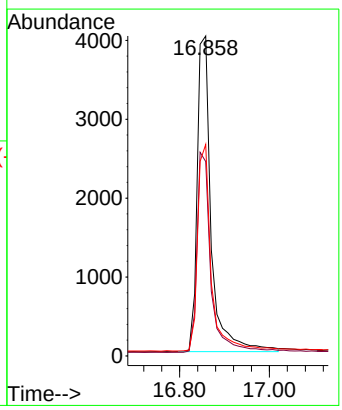


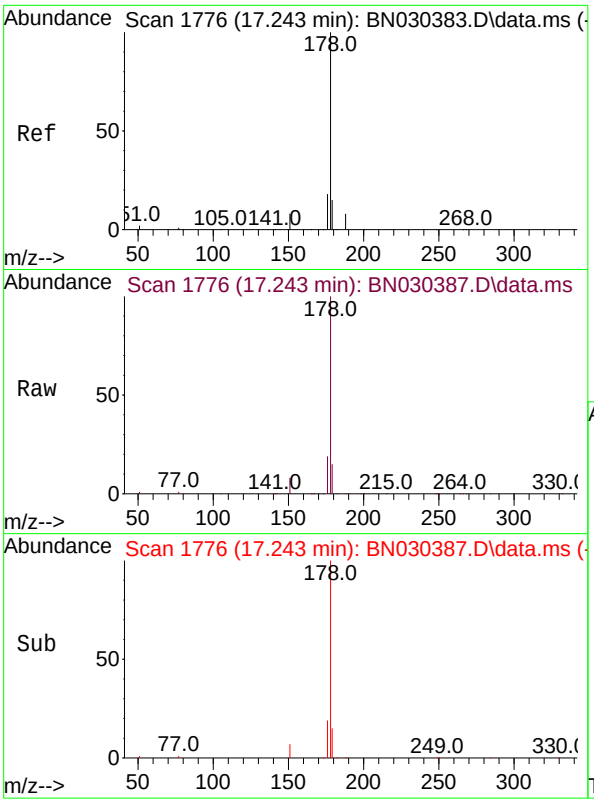


#24
Pentachlorophenol
Concen: 5.165 ng
RT: 16.858 min Scan# 1745
Delta R.T. -0.012 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:266 Resp: 8709

Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.9	76.3
268	63.8	54.2	81.4



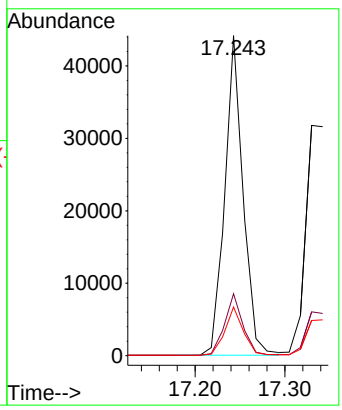


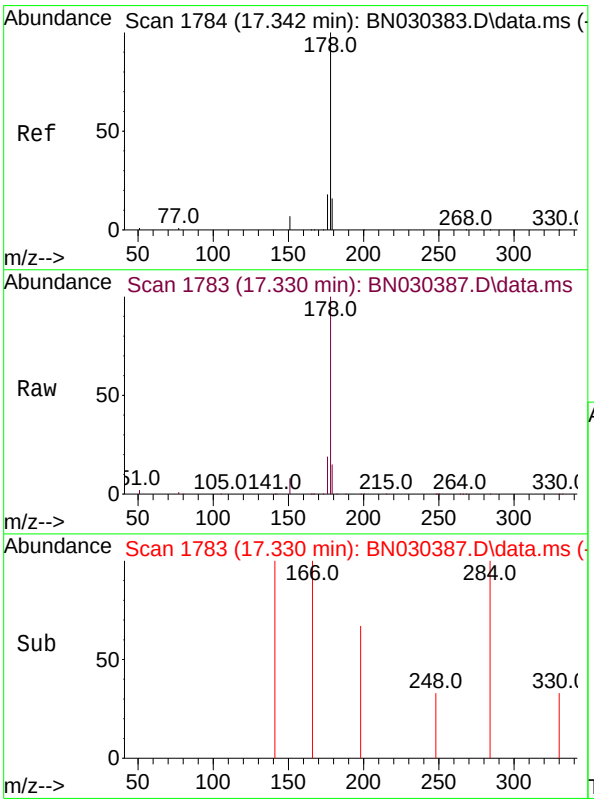
#25
Phenanthrene
Concen: 5.132 ng
RT: 17.243 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 62371

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.2	12.1	18.1

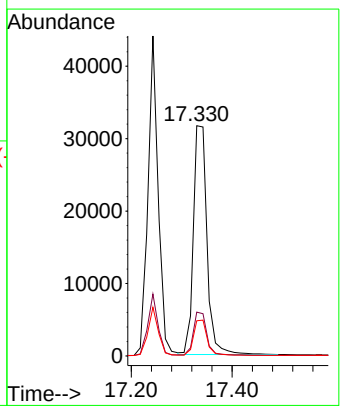


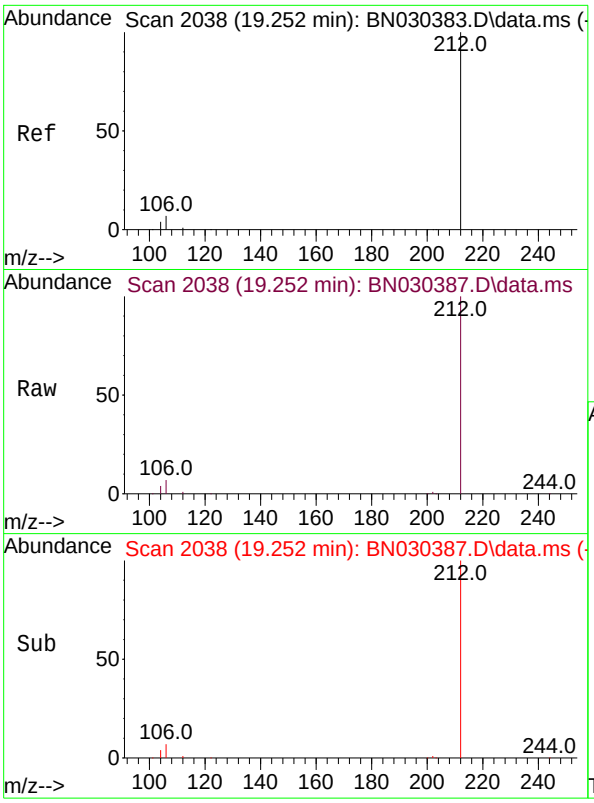


#26
Anthracene
Concen: 5.337 ng
RT: 17.330 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:178 Resp: 59427

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.3	11.8	17.6



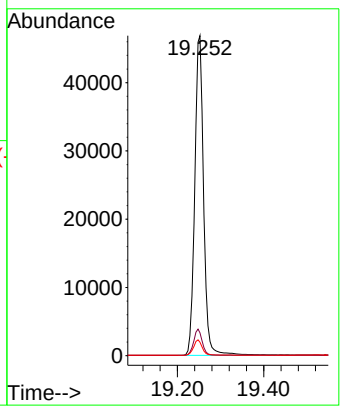


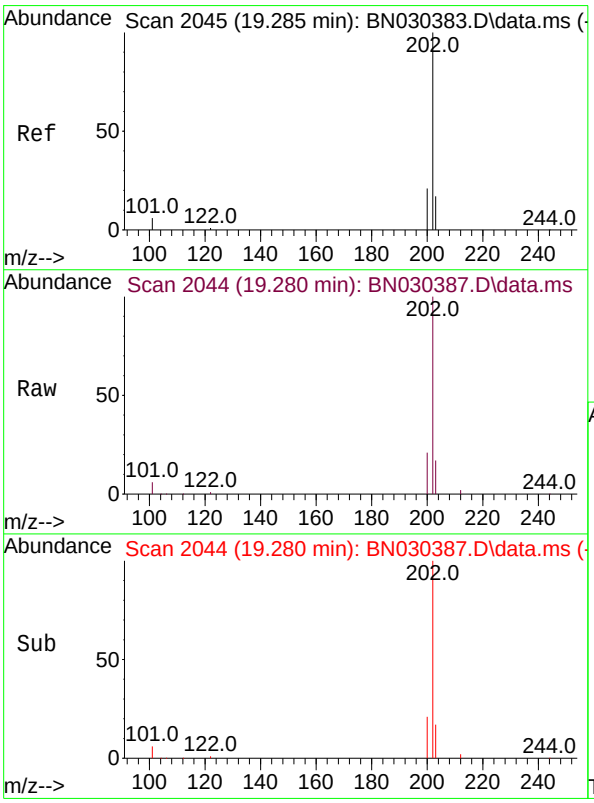
#27
Fluoranthene-d10
Concen: 5.032 ng
RT: 19.252 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 66686

Ion	Ratio	Lower	Upper
212	100		
106	8.0	6.0	9.0
104	4.7	3.4	5.0

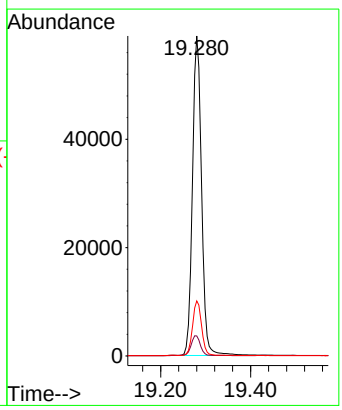


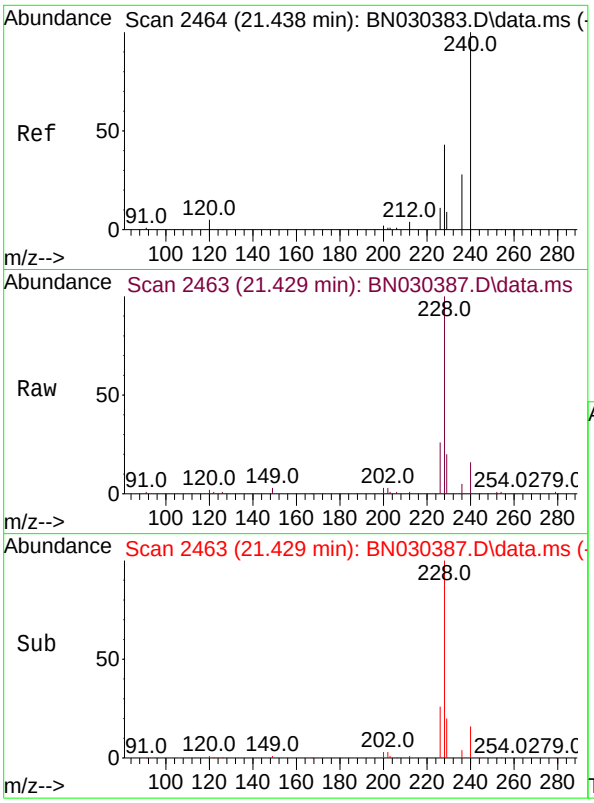


#28
Fluoranthene
Concen: 5.070 ng
RT: 19.280 min Scan# 2044
Delta R.T. -0.005 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:202 Resp: 83150

Ion	Ratio	Lower	Upper
202	100		
101	6.5	4.6	6.8
203	17.2	13.4	20.0



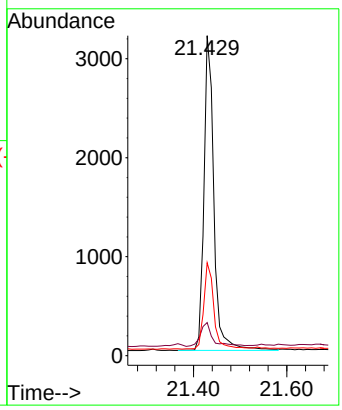


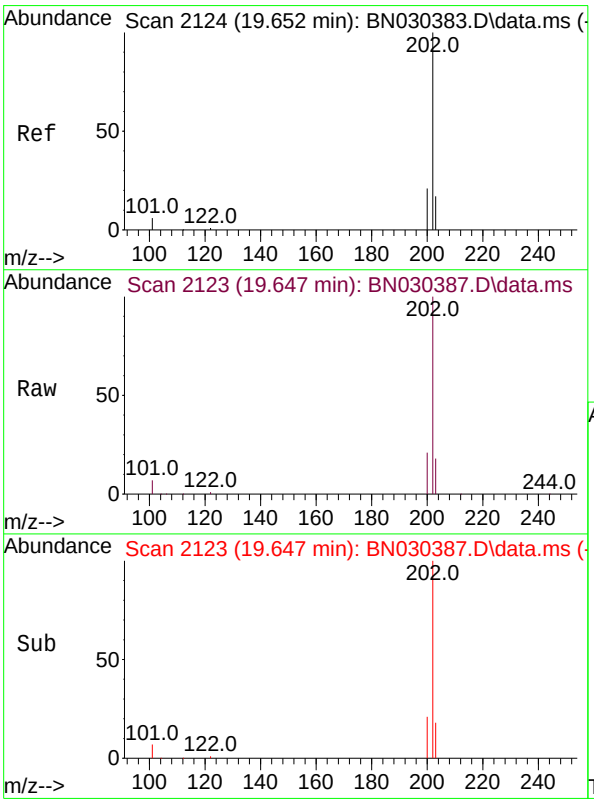
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.429 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 4722

Ion	Ratio	Lower	Upper
240	100		
120	10.3	6.7	10.1#
236	29.1	23.8	35.8

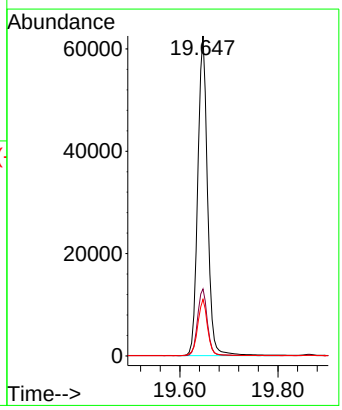


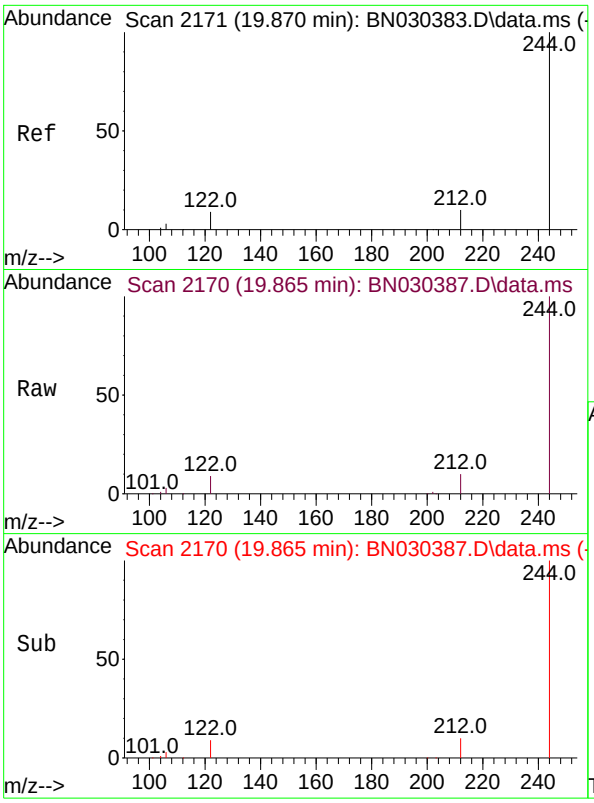


#30
Pyrene
Concen: 4.873 ng
RT: 19.647 min Scan# 2123
Delta R.T. -0.005 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:202 Resp: 85871

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.9	13.8	20.8



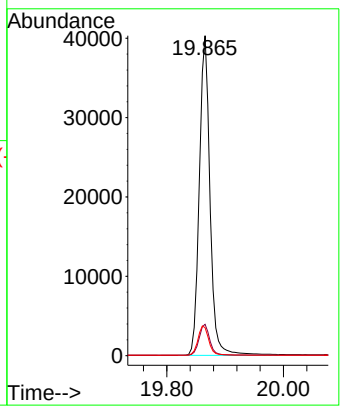


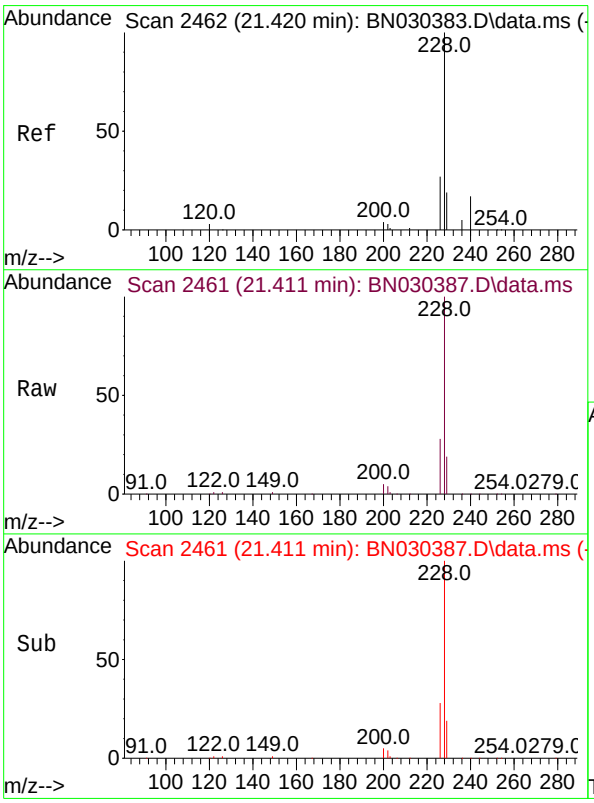
#31
Terphenyl-d14
Concen: 4.795 ng
RT: 19.865 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 51429

Ion	Ratio	Lower	Upper
244	100		
212	9.8	9.8	14.6
122	8.7	8.6	12.8

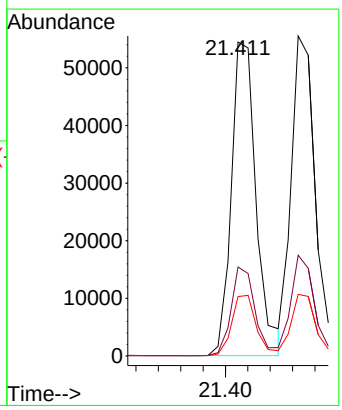


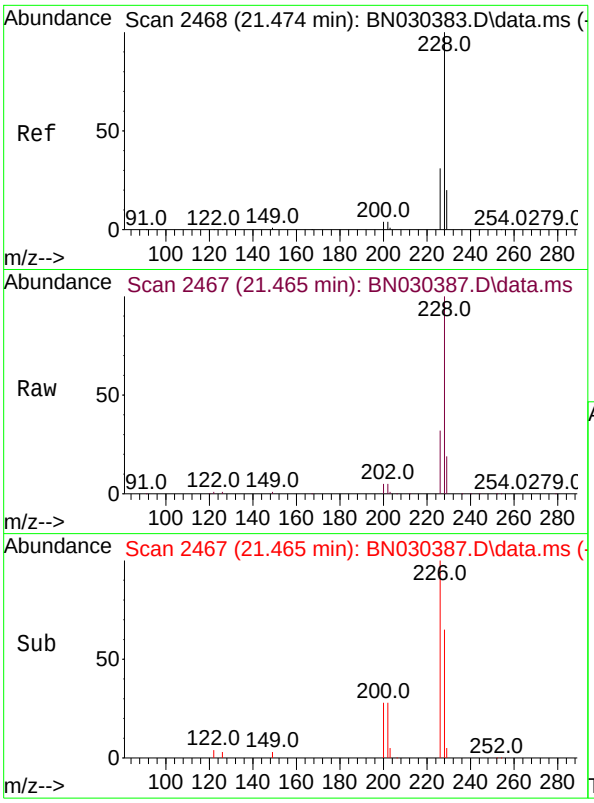


#32
Benzo(a)anthracene
Concen: 5.341 ng
RT: 21.411 min Scan# 2461
Delta R.T. -0.009 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:228 Resp: 83816

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.2
229	18.9	16.4	24.6



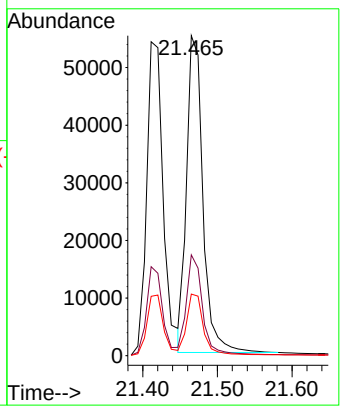


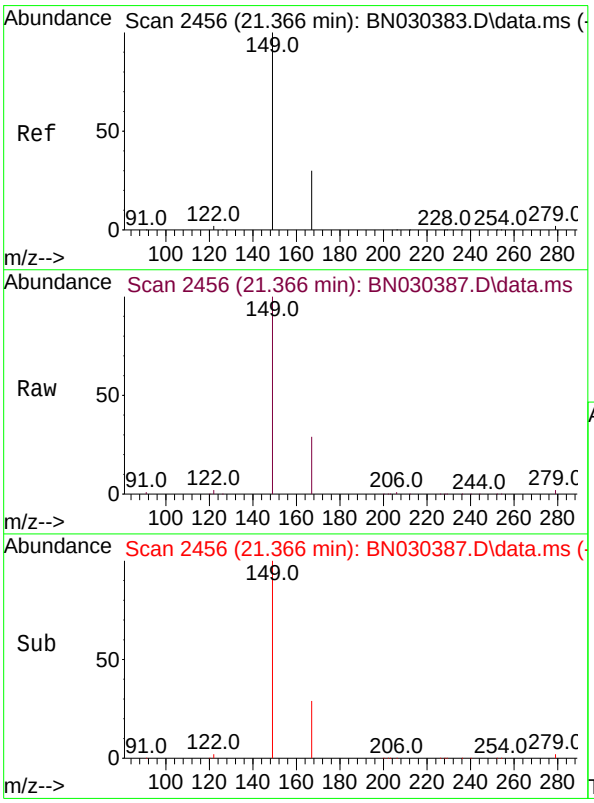
#33
Chrysene
Concen: 4.840 ng
RT: 21.465 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 83785

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	19.3	16.9	25.3

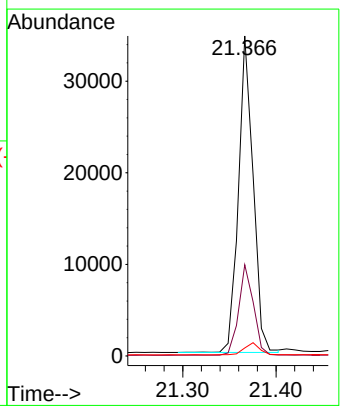


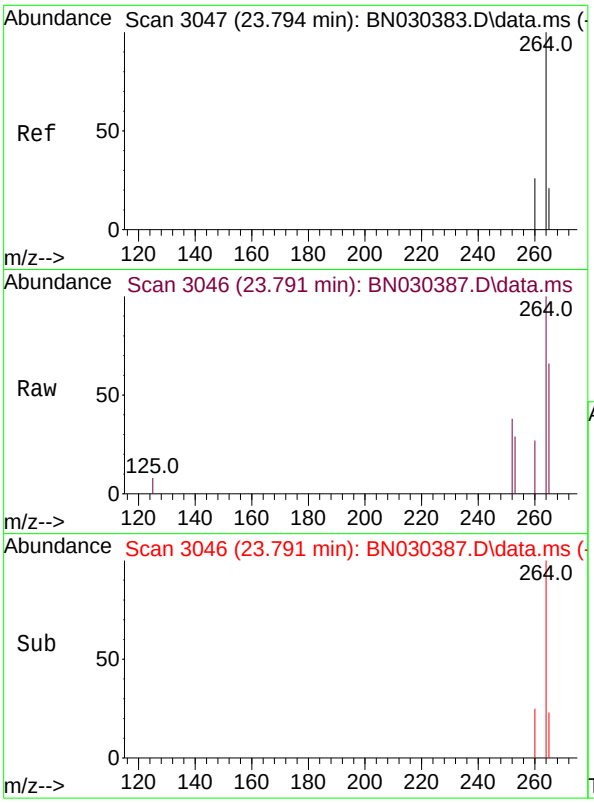


#34
Bis(2-ethylhexyl)phthalate
Concen: 4.616 ng
RT: 21.366 min Scan# 2456
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:149 Resp: 37835

Ion	Ratio	Lower	Upper
149	100		
167	28.7	23.8	35.6
279	4.0	5.1	7.7#



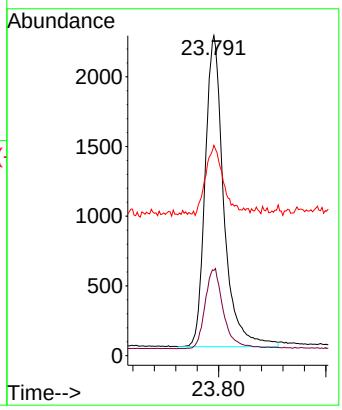


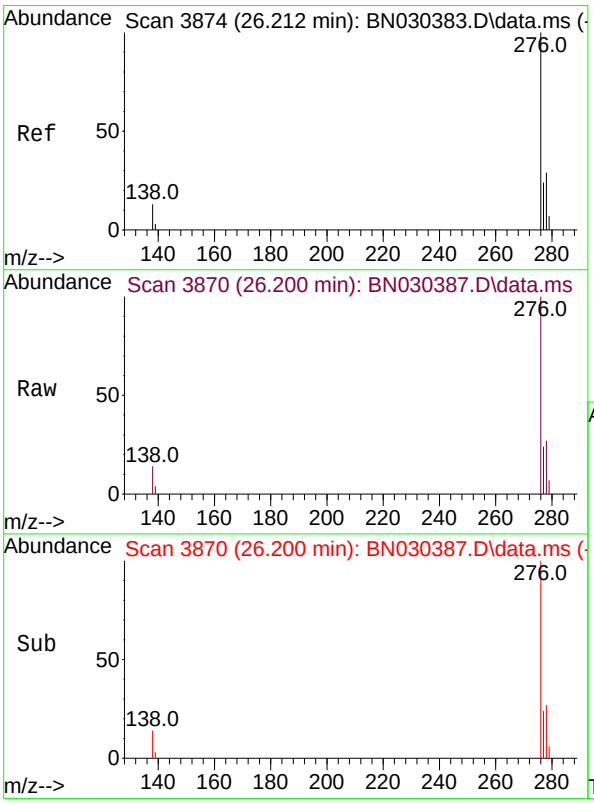
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.791 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 5384

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.8	32.8
265	65.7	50.6	75.8

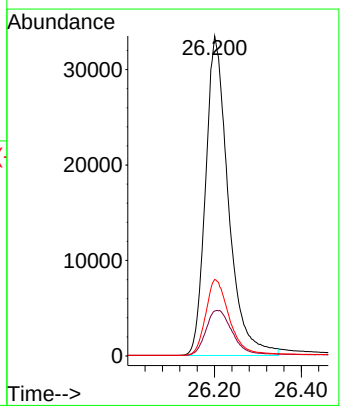


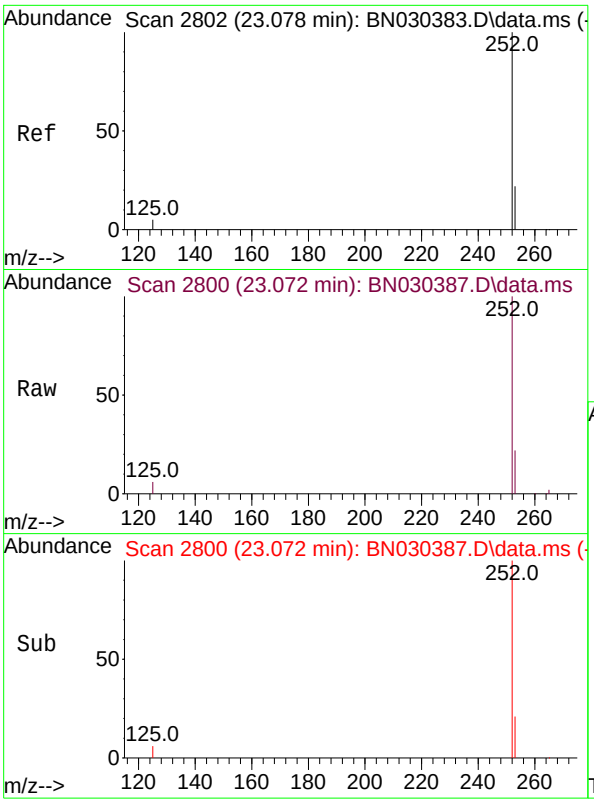


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.311 ng
RT: 26.200 min Scan# 3870
Delta R.T. -0.012 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:276 Resp: 121739

Ion	Ratio	Lower	Upper
276	100		
138	16.4	5.1	7.7#
277	24.8	18.4	27.6



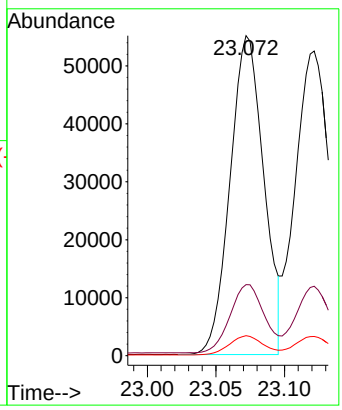


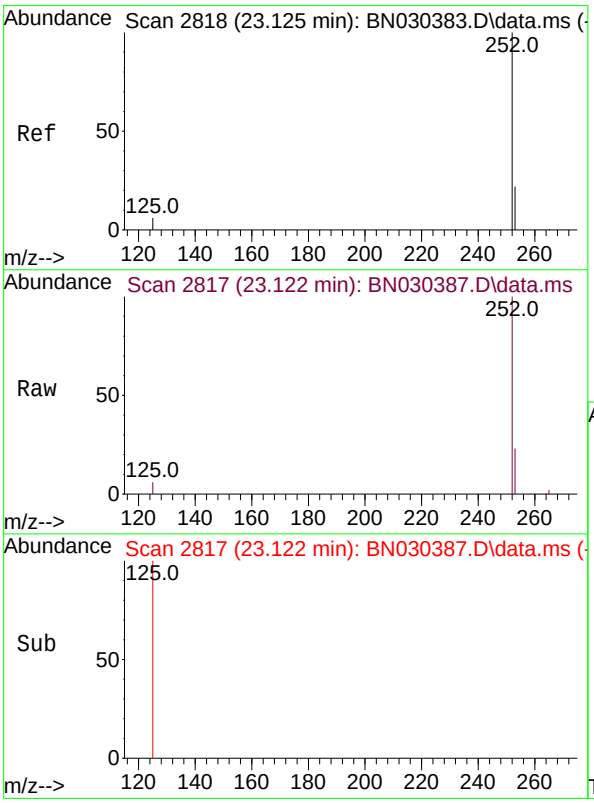
#37
Benzo(b)fluoranthene
Concen: 5.341 ng
RT: 23.072 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 93790

Ion	Ratio	Lower	Upper
252	100		
253	22.2	26.7	40.1#
125	6.2	6.8	10.2#

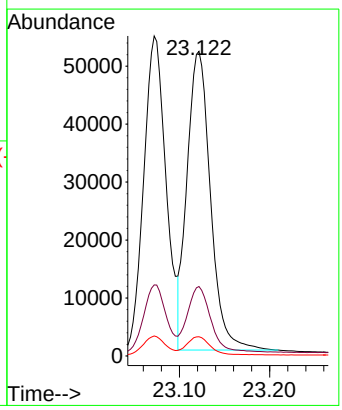


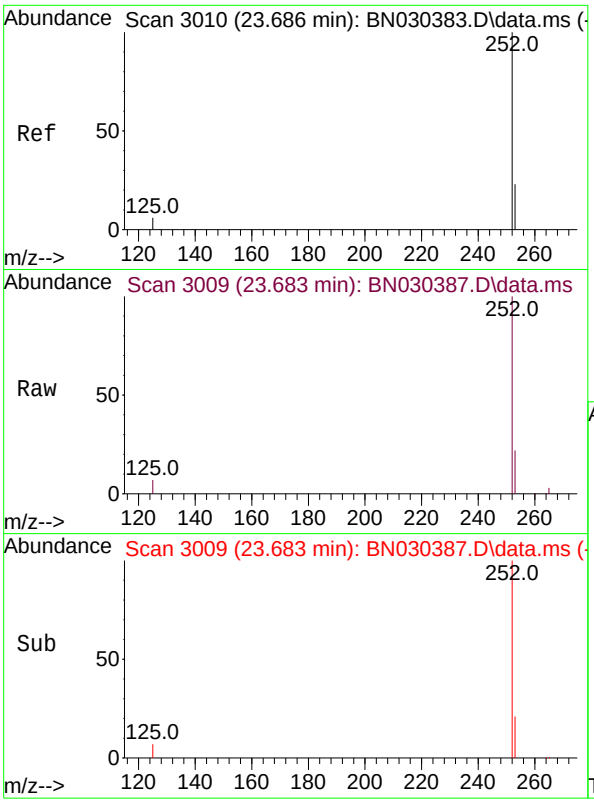


#38
Benzo(k)fluoranthene
Concen: 5.236 ng
RT: 23.122 min Scan# 2817
Delta R.T. -0.003 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:252 Resp: 93033

Ion	Ratio	Lower	Upper
252	100		
253	22.8	26.6	39.8#
125	6.3	7.2	10.8#



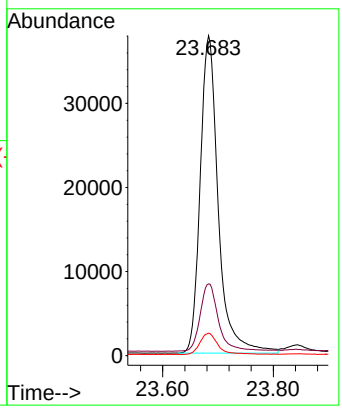


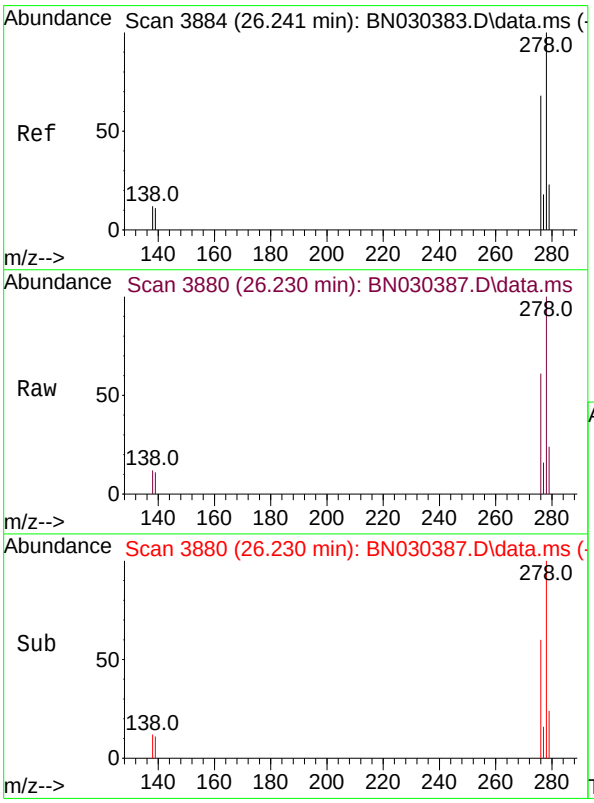
#39
Benzo(a)pyrene
Concen: 5.252 ng
RT: 23.683 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 85638

Ion	Ratio	Lower	Upper
252	100		
253	22.5	31.5	47.3#
125	7.0	8.6	12.8#

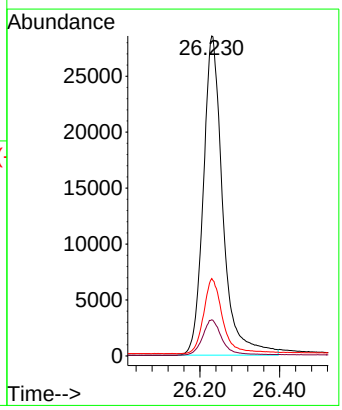


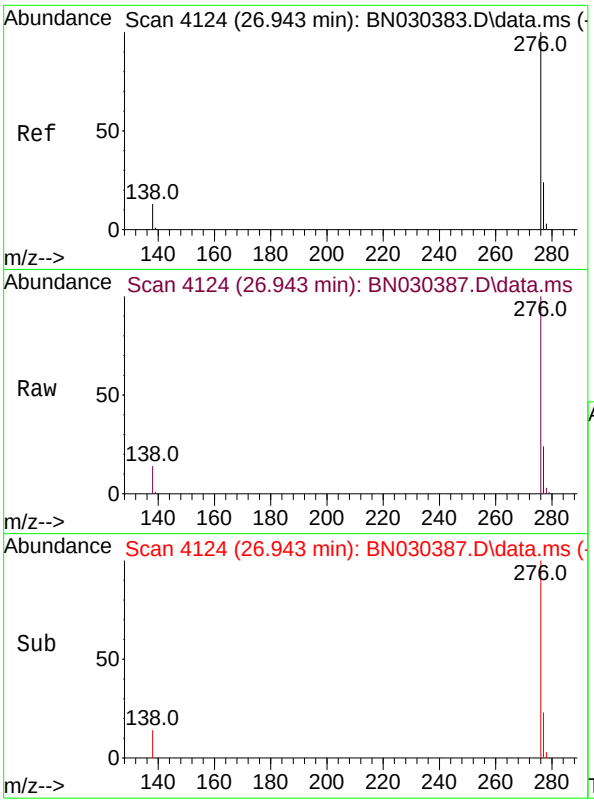


#40
Dibenzo(a,h)anthracene
Concen: 5.350 ng
RT: 26.230 min Scan# 3880
Delta R.T. -0.012 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Tgt Ion:278 Resp: 97102

Ion	Ratio	Lower	Upper
278	100		
139	11.3	11.8	17.6#
279	24.2	27.8	41.8#





#41
Benzo(g,h,i)perylene
Concen: 5.120 ng
RT: 26.943 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN030387.D
Acq: 13 Mar 2024 18:11

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 109569

Ion	Ratio	Lower	Upper
276	100		
277	23.6	20.9	31.3
138	13.9	13.0	19.4