Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032224\
Data File : BN030456.D
Acq On : 21 Mar 2024 20:52
Operator : MA/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Mar 21 23:59:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN032224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 21 23:54:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.732	152	10764	0.400	ng		0.00
7) Naphthalene-d8	10.509	136	29457	0.400	ng		0.00
13) Acenaphthene-d10	14.361	164	15351	0.400	ng		0.00
19) Phenanthrene-d10	17.106	188	32447	0.400	ng		0.00
29) Chrysene-d12	21.304	240	25423	0.400	ng		0.00
35) Perylene-d12	23.560	264	21931	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.312	112	135063	5.078	ng		0.00
5) Phenol-d6	6.887	99	179426	5.161	ng		0.00
8) Nitrobenzene-d5	8.875	82	119110	5.251	ng		0.00
11) 2-Methylnaphthalene-d10	12.106	152	218896	5.104	ng		0.00
14) 2,4,6-Tribromophenol	15.853	330	33286	5.955	ng		0.00
15) 2-Fluorobiphenyl	12.993	172	323963	4.887	ng		0.00
27) Fluoranthene-d10	19.145	212	434823	5.373	ng		0.00
31) Terphenyl-d14	19.754	244	276201	4.846	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.254	88	63616	4.575	ng		97
3) n-Nitrosodimethylamine	3.557	42	65234	4.869	ng	#	97
6) bis(2-Chloroethyl)ether	7.161	93	161561	4.854	ng		99
9) Naphthalene	10.562	128	424587	4.987	ng		99
10) Hexachlorobutadiene	10.850	225	76848	4.845	ng	#	99
12) 2-Methylnaphthalene	12.178	142	274767	5.047	ng		99
16) Acenaphthylene	14.083	152	421345	5.341	ng		100
17) Acenaphthene	14.425	154	272070	5.149	ng		97
18) Fluorene	15.420	166	360767	5.119	ng		100
21) 4-Bromophenyl-phenylether	16.312	248	108428	5.165	ng		96
22) Hexachlorobenzene	16.411	284	127405	5.024	ng		99
23) Atrazine	16.585	200	85395	5.645	ng		99
25) Phenanthrene	17.156	178	531124	5.116	ng		100
26) Anthracene	17.243	178	493309	5.395	ng		100
28) Fluoranthene	19.178	202	609175	5.187	ng		99
30) Pyrene	19.540	202	622138	4.895	ng		100
32) Benzo(a)anthracene	21.295	228	551288	5.357	ng		100
33) Chrysene	21.340	228	534493	4.895	ng		100
34) Bis(2-ethylhexyl)phtha...	21.250	149	264329	6.057	ng		99
36) Indeno(1,2,3-cd)pyrene	25.847	276	529665	5.970	ng		99
37) Benzo(b)fluoranthene	22.885	252	526640	5.471	ng		96
38) Benzo(k)fluoranthene	22.929	252	510262	5.322	ng	#	95
39) Benzo(a)pyrene	23.464	252	427709	5.753	ng	#	93
40) Dibenzo(a,h)anthracene	25.873	278	422801	5.930	ng		96
41) Benzo(g,h,i)perylene	26.542	276	451350	5.743	ng		97

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

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Operator : MA/JU
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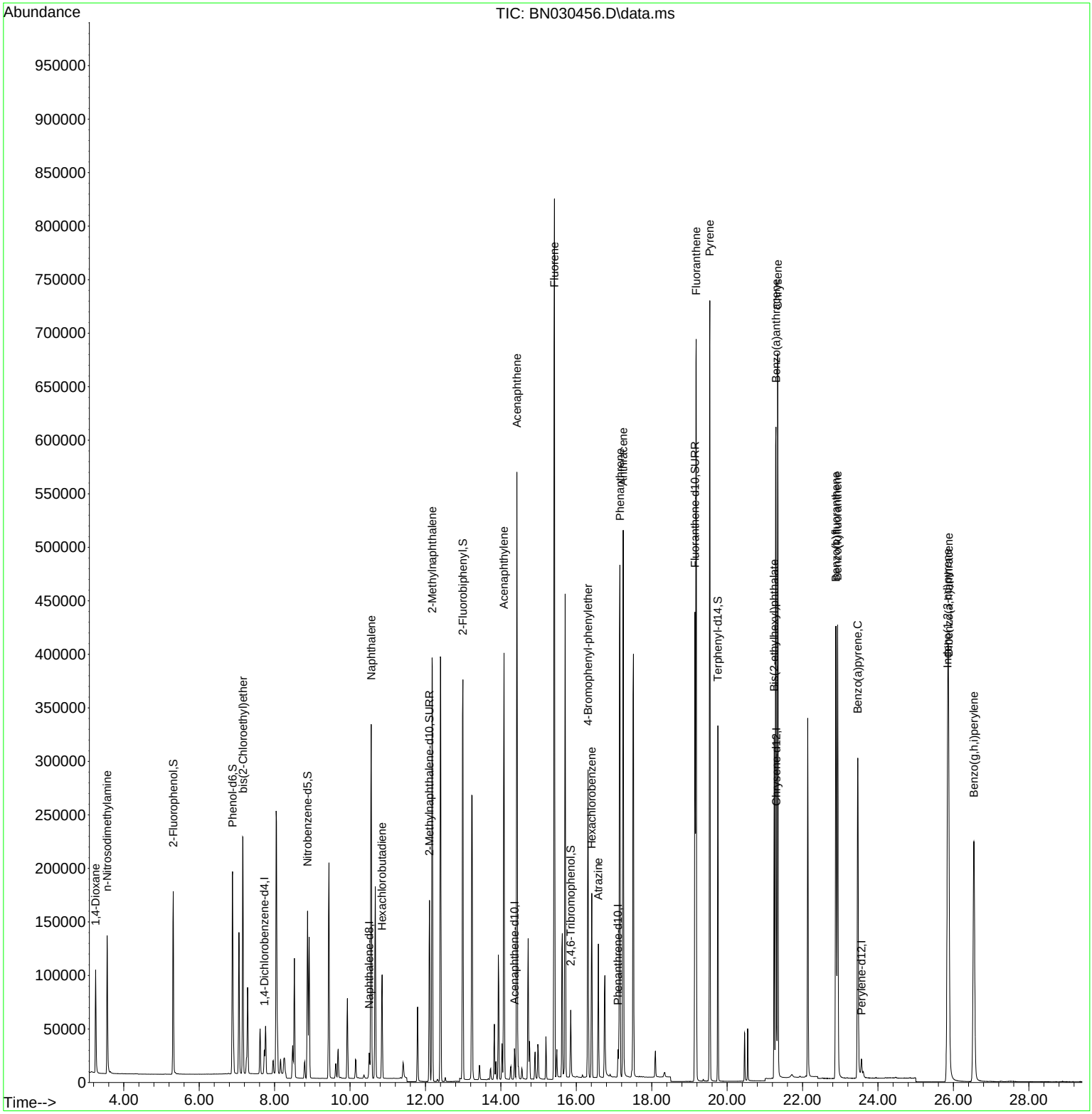
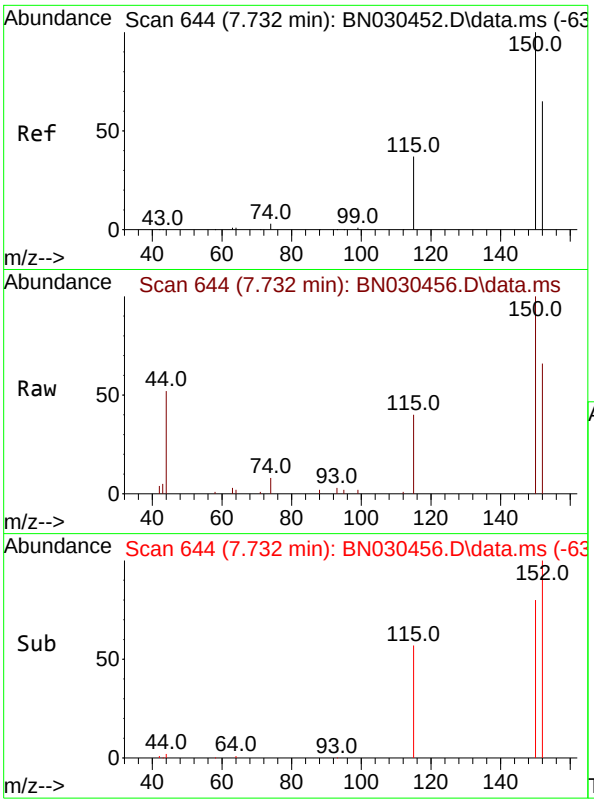
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Mar 21 23:59:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN032224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 21 23:54:14 2024
Response via : Initial Calibration



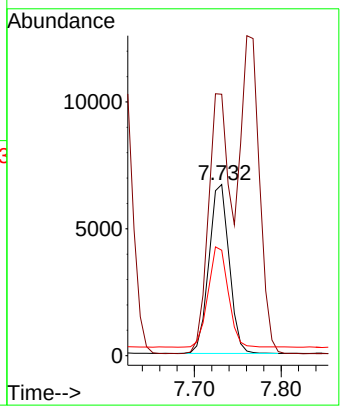


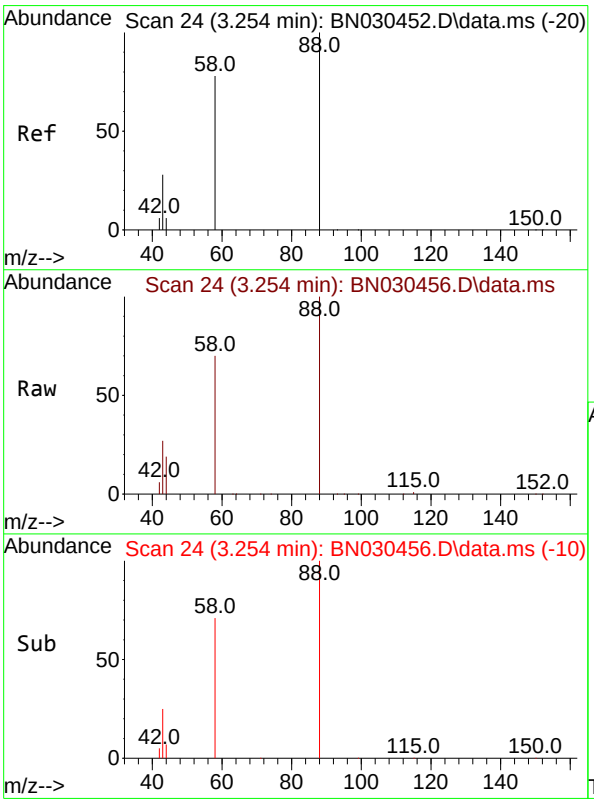
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 10764

Ion	Ratio	Lower	Upper
152	100		
150	152.7	122.2	183.4
115	61.6	48.2	72.4

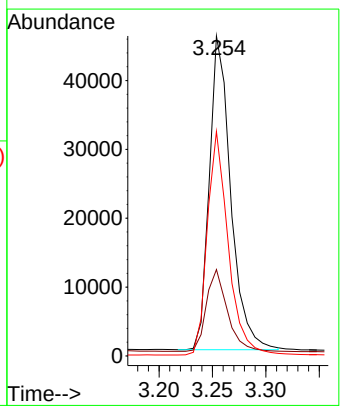


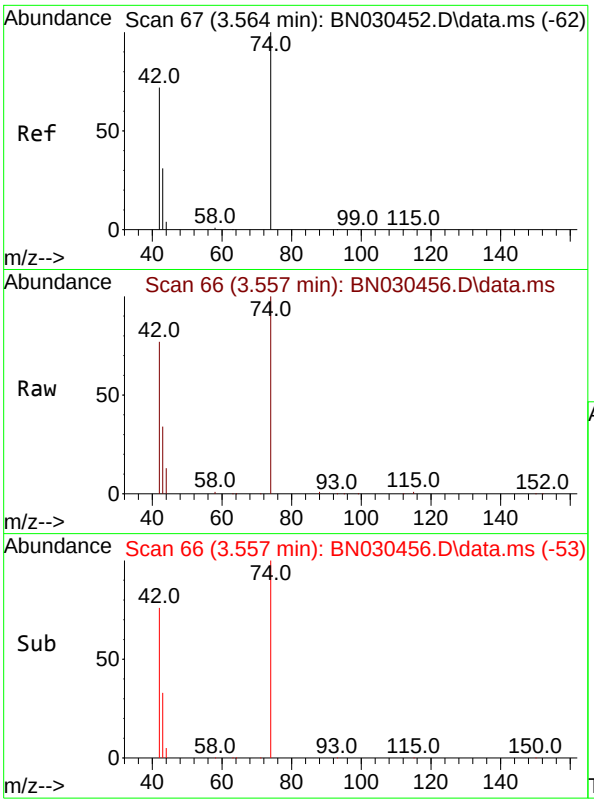


#2
1,4-Dioxane
Concen: 4.575 ng
RT: 3.254 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion: 88 Resp: 63616

Ion	Ratio	Lower	Upper
88	100		
43	25.5	21.8	32.6
58	69.6	53.9	80.9



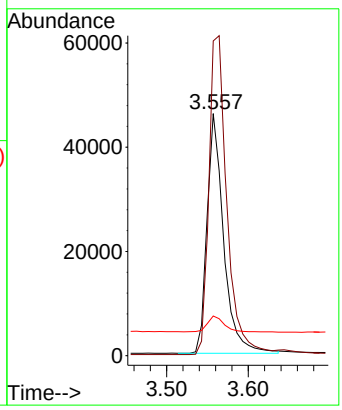


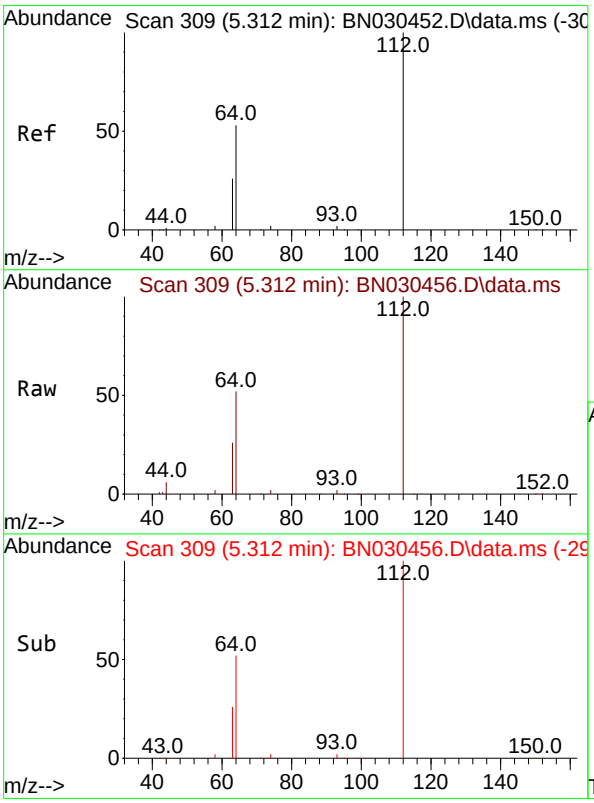
#3
n-Nitrosodimethylamine
Concen: 4.869 ng
RT: 3.557 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 65234

Ion	Ratio	Lower	Upper
42	100		
74	143.6	112.6	169.0
44	7.0	9.9	14.9#

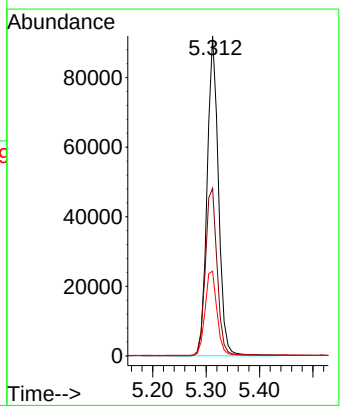


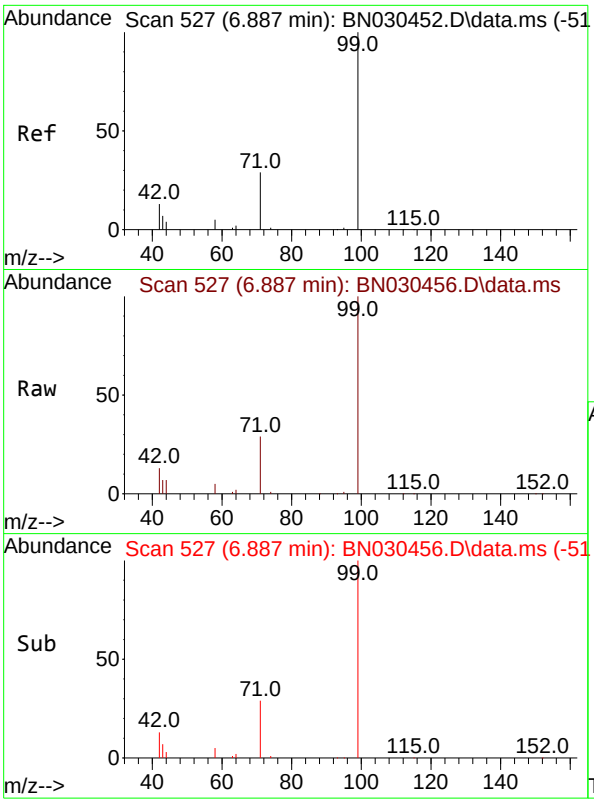


#4
2-Fluorophenol
Concen: 5.078 ng
RT: 5.312 min Scan# 309
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:112 Resp: 135063

Ion	Ratio	Lower	Upper
112	100		
64	54.9	44.2	66.2
63	28.0	23.0	34.4



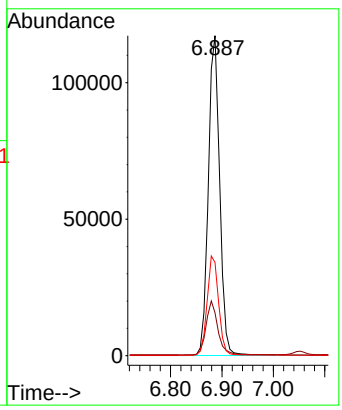


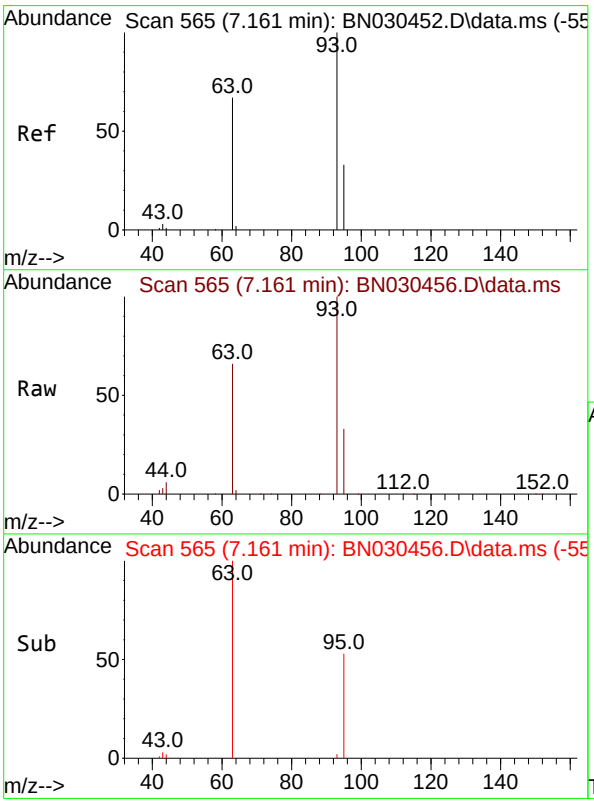
#5
Phenol-d6
Concen: 5.161 ng
RT: 6.887 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 179426

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.9	20.9
71	31.5	25.4	38.0

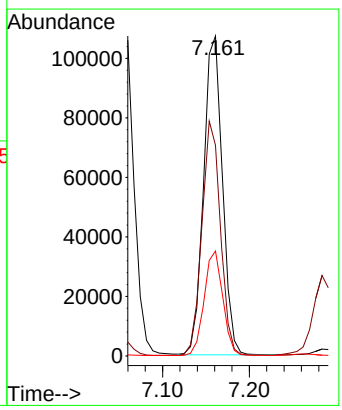


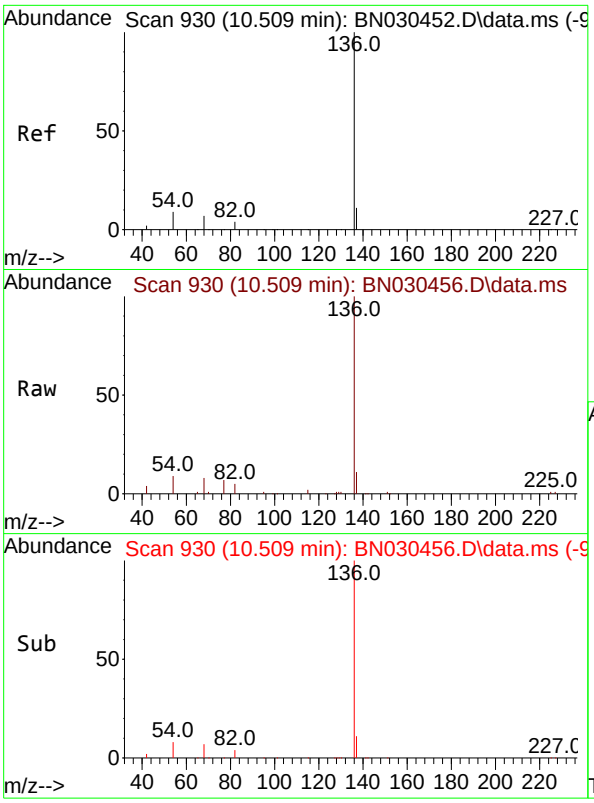


#6
bis(2-Chloroethyl)ether
Concen: 4.854 ng
RT: 7.161 min Scan# 565
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion: 93 Resp: 161561

Ion	Ratio	Lower	Upper
93	100		
63	72.4	58.6	87.8
95	32.4	26.3	39.5



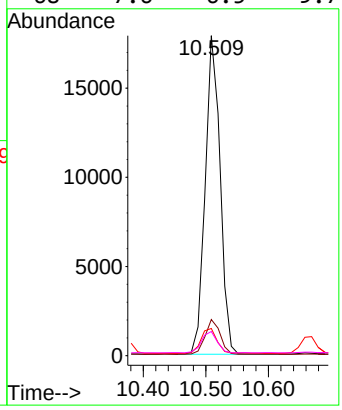


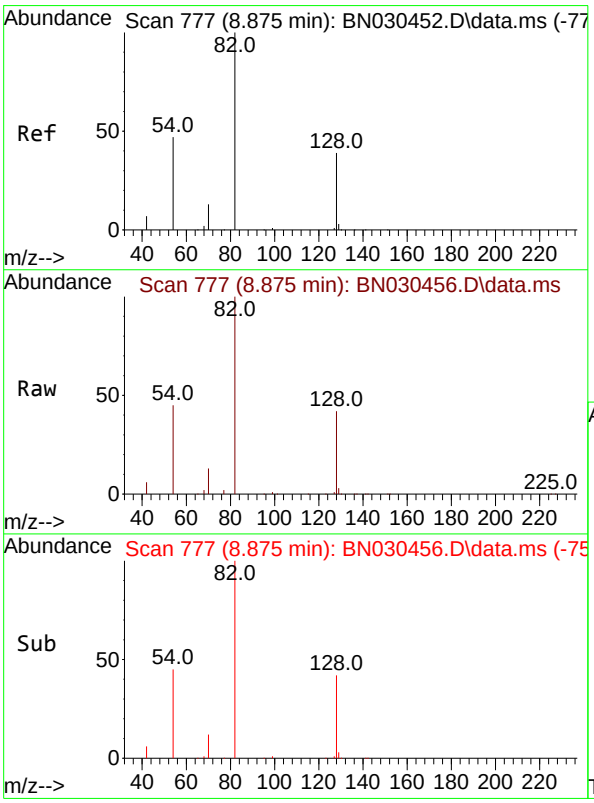
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 29457

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	7.4	11.0
68	7.6	6.5	9.7

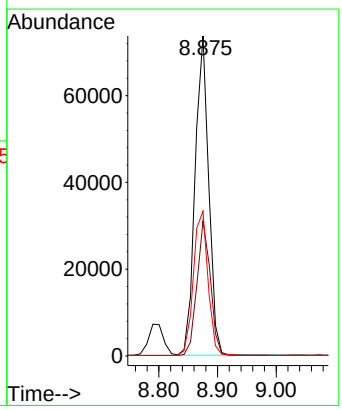


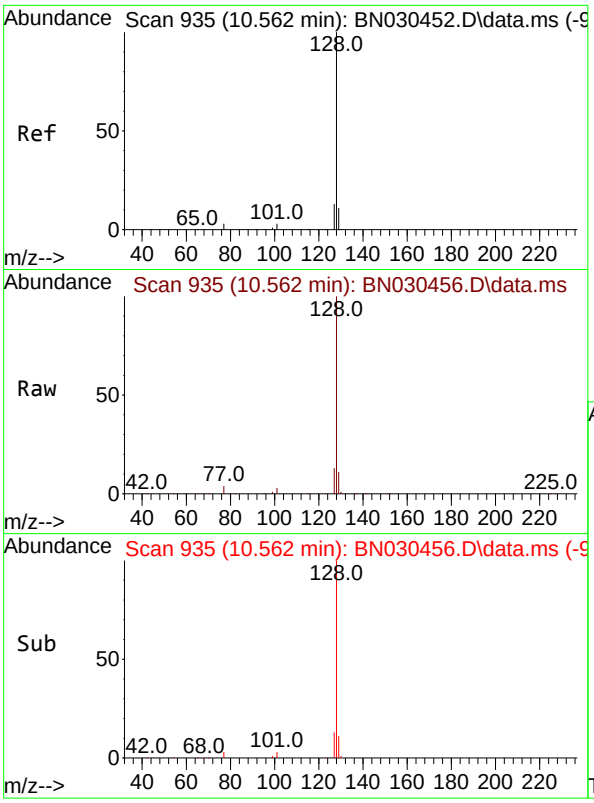


#8
Nitrobenzene-d5
Concen: 5.251 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion: 82 Resp: 119110

Ion	Ratio	Lower	Upper
82	100		
128	42.2	31.8	47.8
54	45.2	38.8	58.2



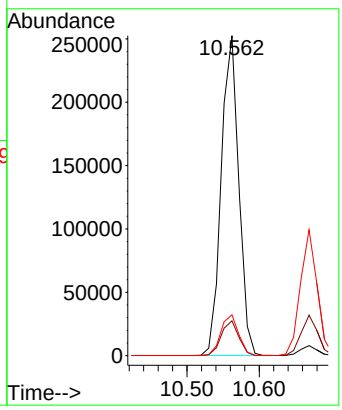


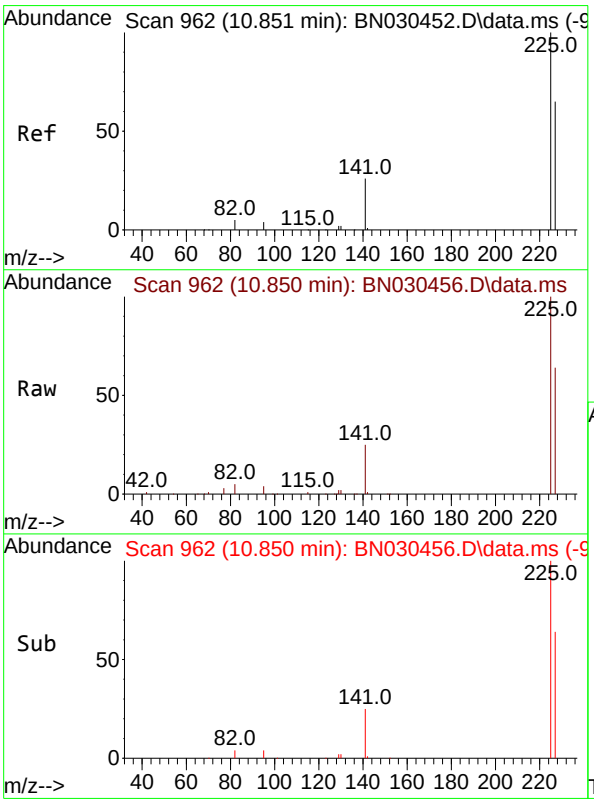
#9
Naphthalene
Concen: 4.987 ng
RT: 10.562 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 424587

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.1	13.7
127	12.7	10.4	15.6

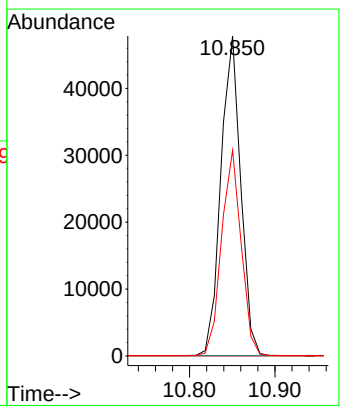


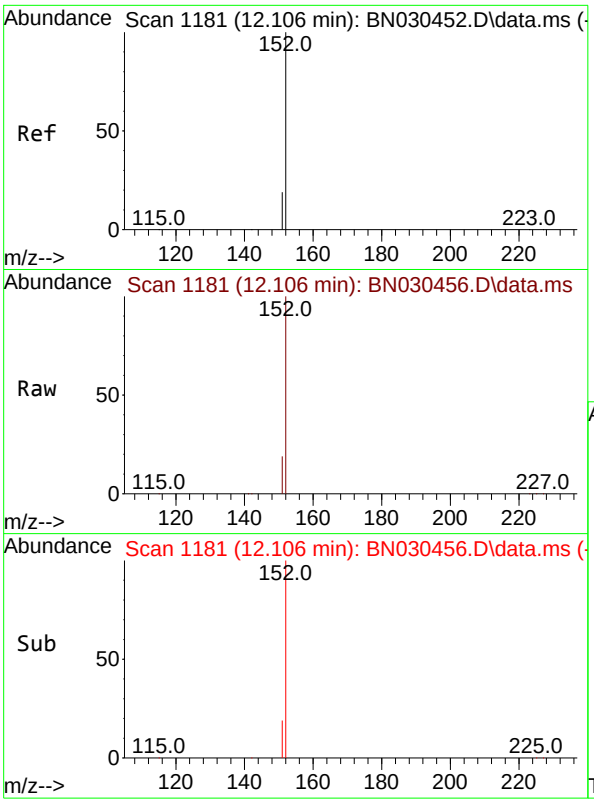


#10
Hexachlorobutadiene
Concen: 4.845 ng
RT: 10.850 min Scan# 962
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:225 Resp: 76848

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.8	77.8



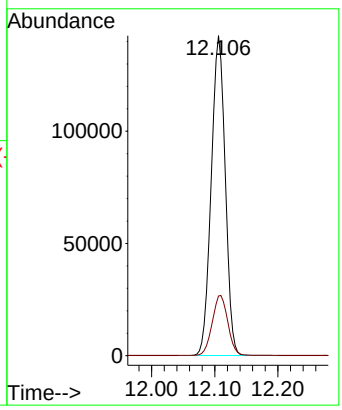


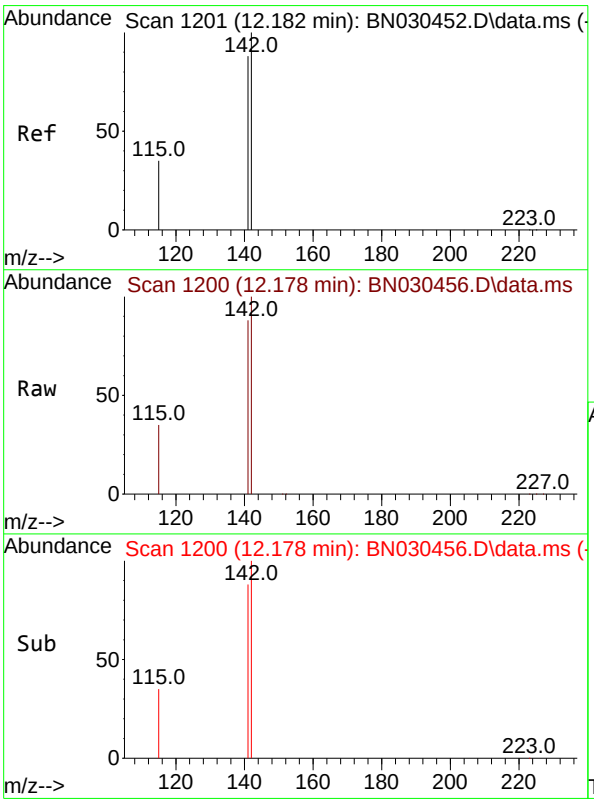
#11
2-Methylnaphthalene-d10
Concen: 5.104 ng
RT: 12.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 218896

Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.0	25.6

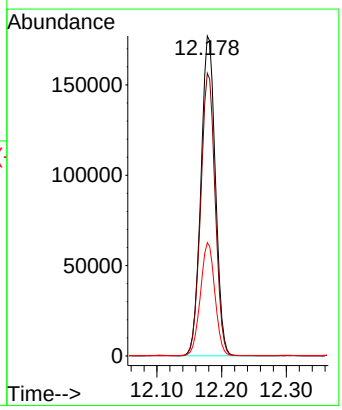


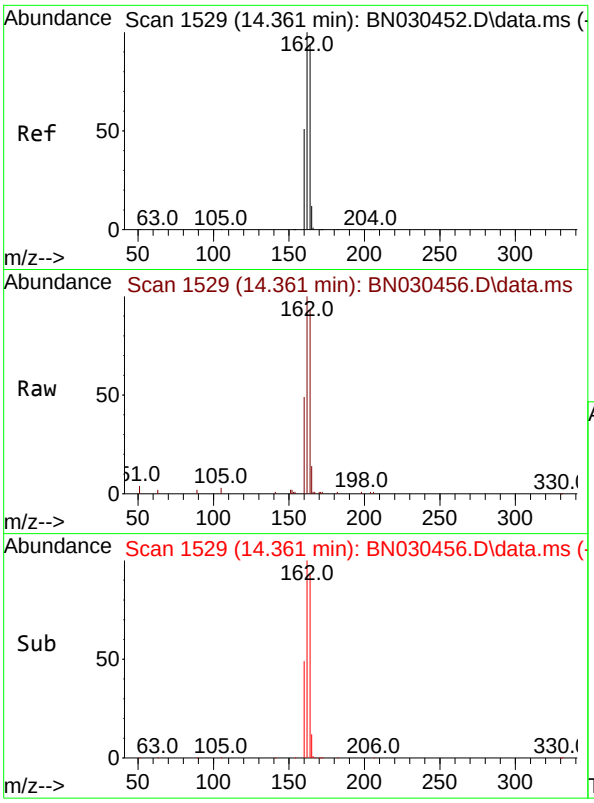


#12
2-Methylnaphthalene
Concen: 5.047 ng
RT: 12.178 min Scan# 1200
Delta R.T. -0.004 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:142 Resp: 274767

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.5	105.7
115	35.4	29.2	43.8



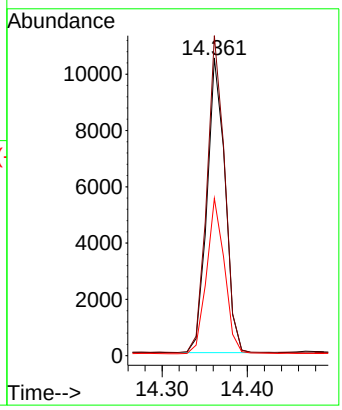


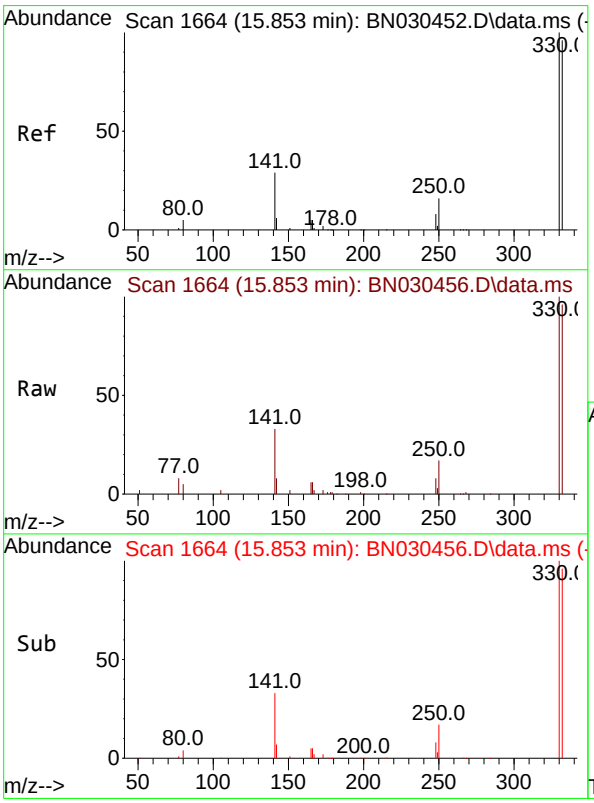
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.361 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 15351

Ion	Ratio	Lower	Upper
164	100		
162	107.5	85.4	128.2
160	52.8	43.4	65.2

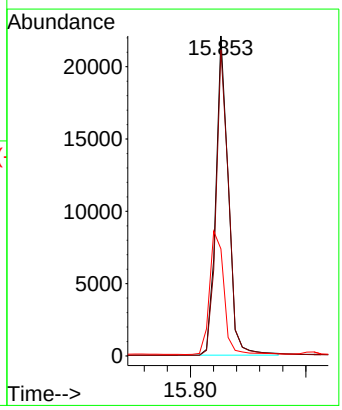


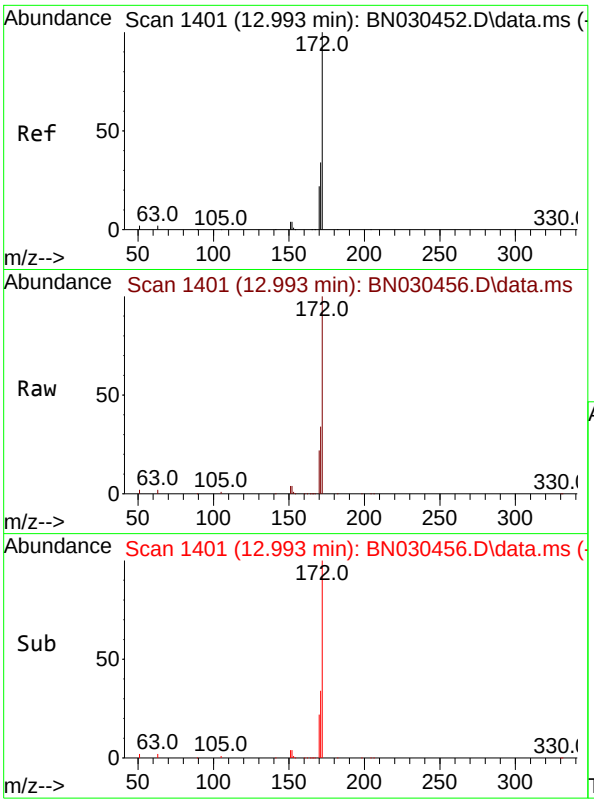


#14
2,4,6-Tribromophenol
Concen: 5.955 ng
RT: 15.853 min Scan# 1664
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:330 Resp: 33286

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	44.0	36.2	54.4



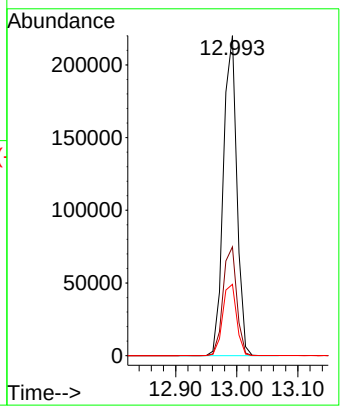


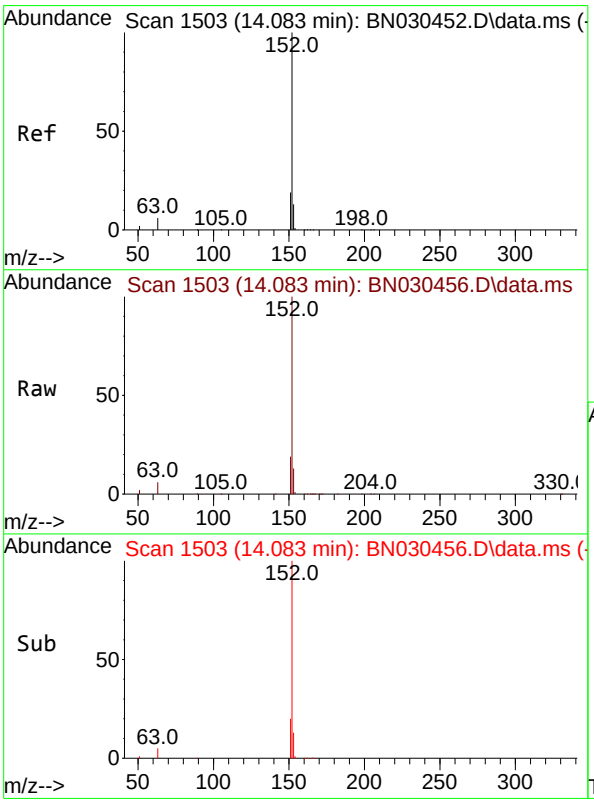
#15
2-Fluorobiphenyl
Concen: 4.887 ng
RT: 12.993 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 323963

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.2
170	22.3	18.1	27.1

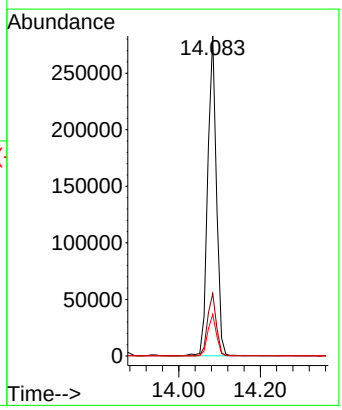


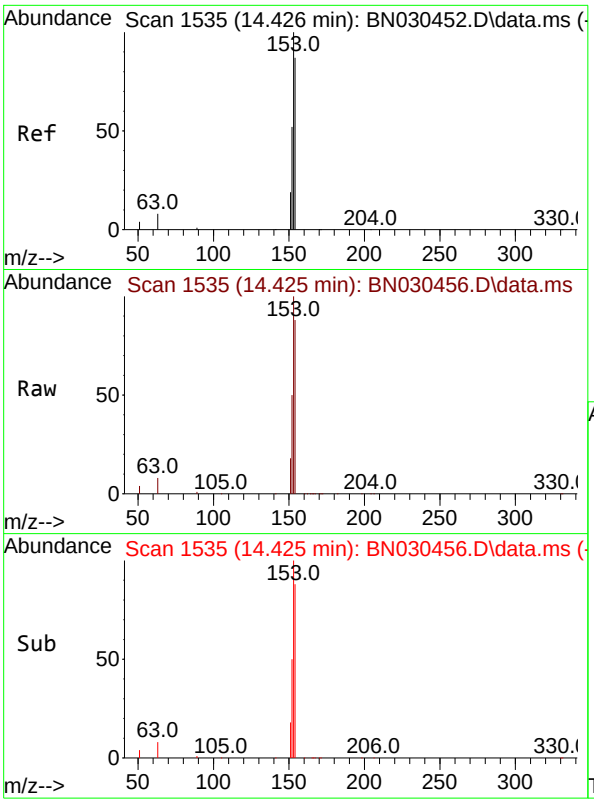


#16
Acenaphthylene
Concen: 5.341 ng
RT: 14.083 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:152 Resp: 421345

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.0	10.3	15.5



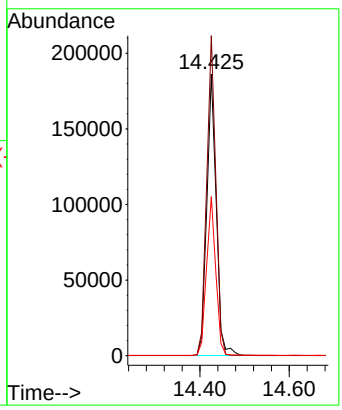


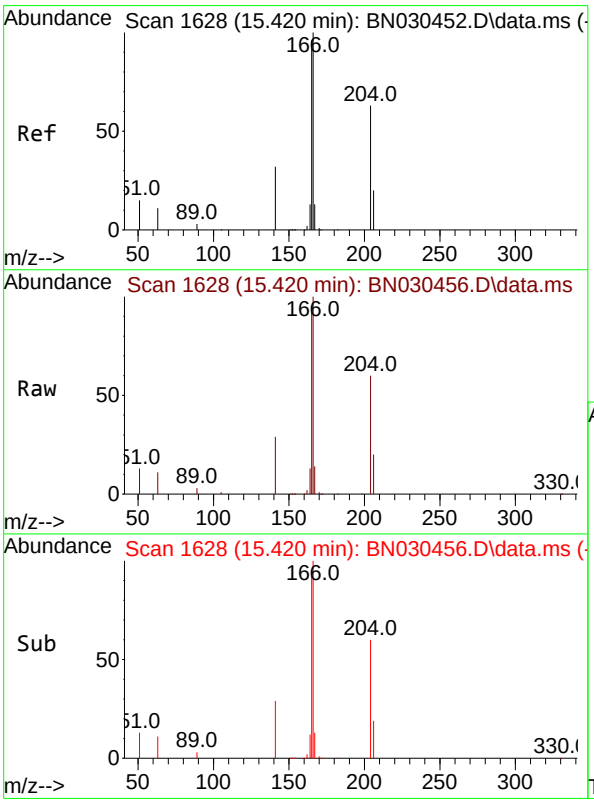
#17
Acenaphthene
Concen: 5.149 ng
RT: 14.425 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 272070

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.3	133.9
152	55.5	47.4	71.2

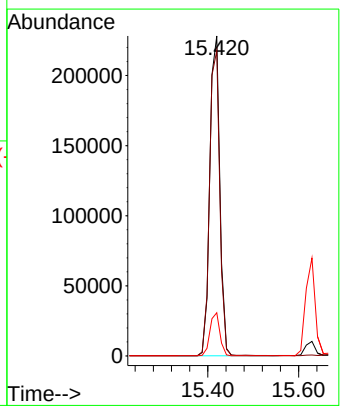


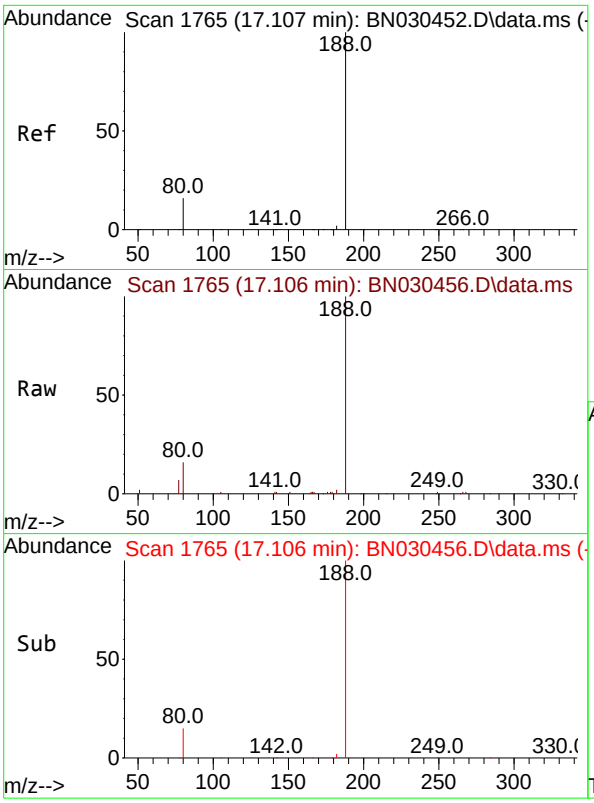


#18
Fluorene
Concen: 5.119 ng
RT: 15.420 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:166 Resp: 360767

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.8	116.6
167	13.0	10.6	16.0



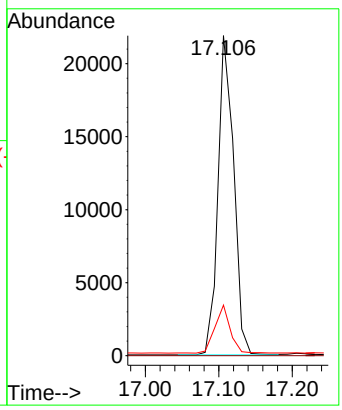


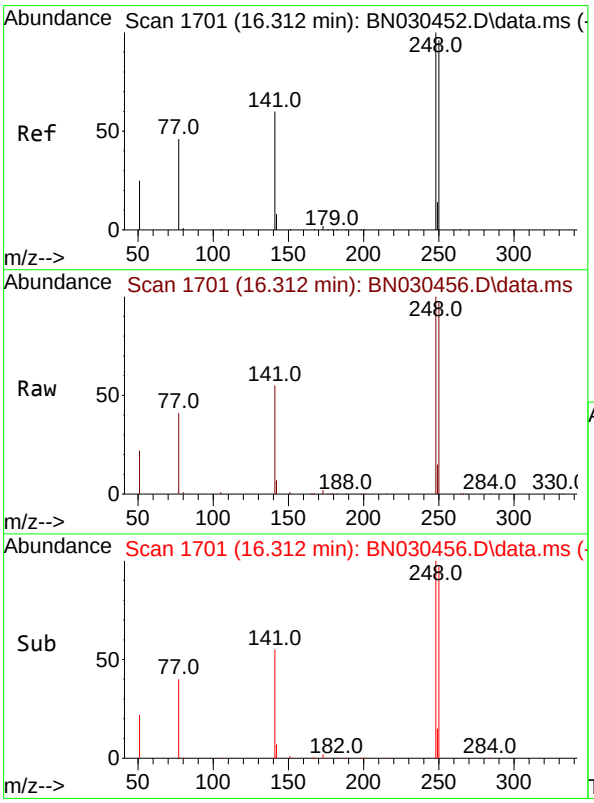
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 32447

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.8	13.6	20.4

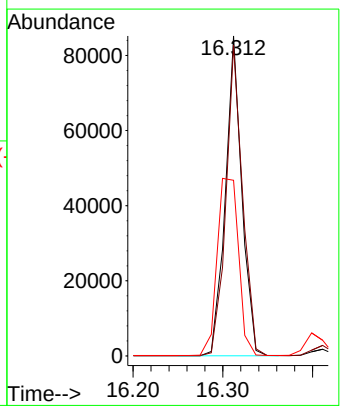


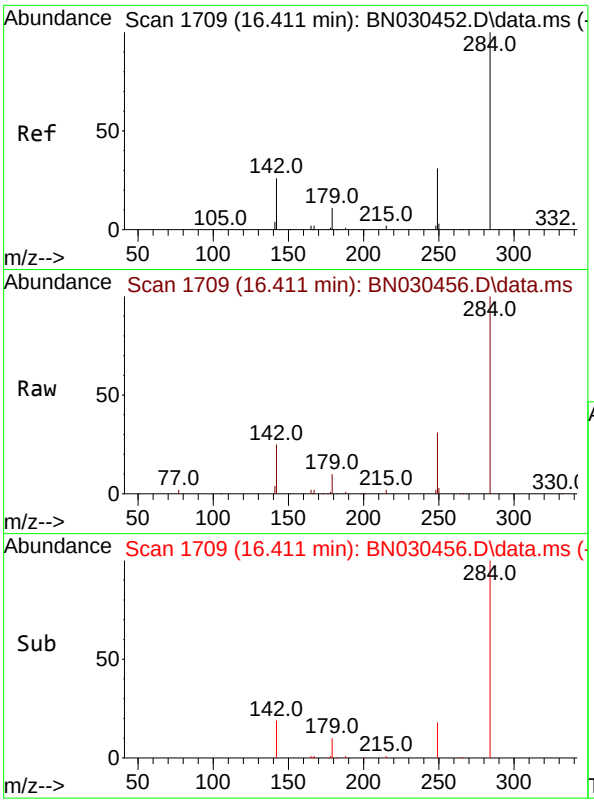


#21
4-Bromophenyl-phenylether
Concen: 5.165 ng
RT: 16.312 min Scan# 1701
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:248 Resp: 108428

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.0	115.6
141	54.9	49.2	73.8



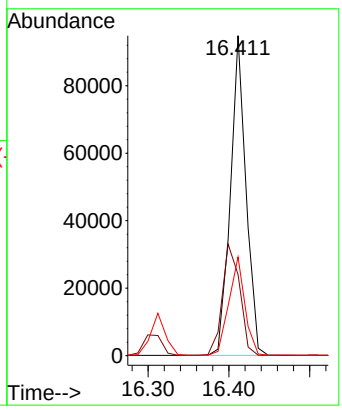


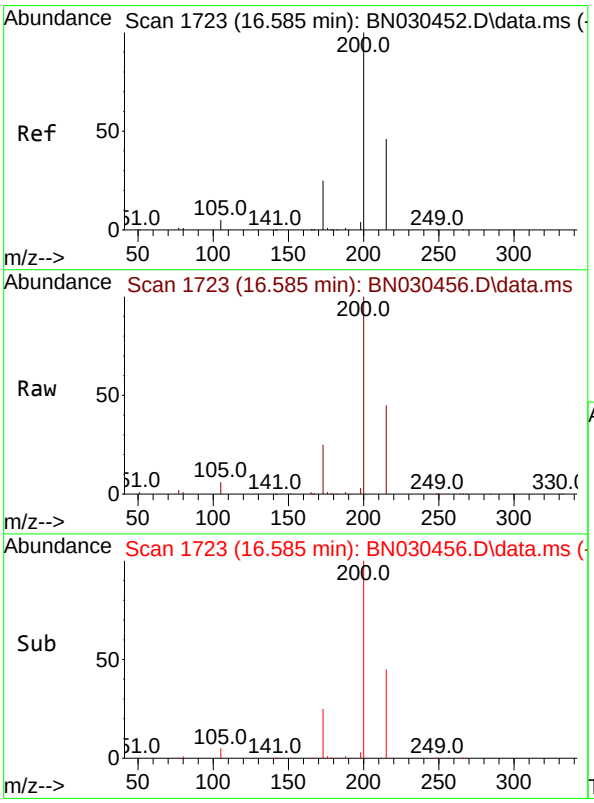
#22
Hexachlorobenzene
Concen: 5.024 ng
RT: 16.411 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 127405

Ion	Ratio	Lower	Upper
284	100		
142	38.9	31.8	47.8
249	31.4	25.2	37.8

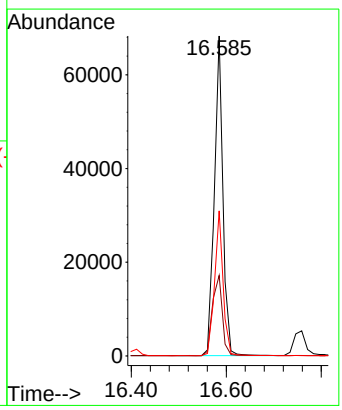


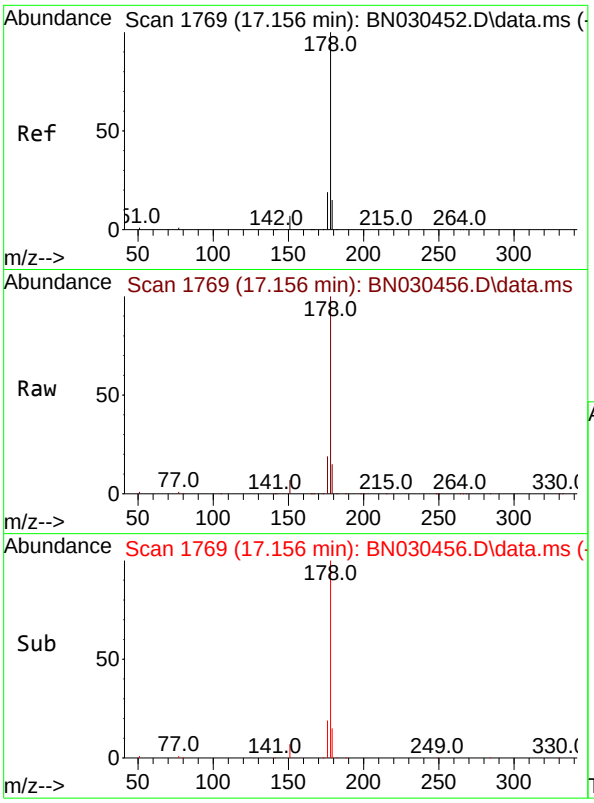


#23
Atrazine
Concen: 5.645 ng
RT: 16.585 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:200 Resp: 85395

Ion	Ratio	Lower	Upper
200	100		
173	25.2	20.6	31.0
215	45.4	37.1	55.7



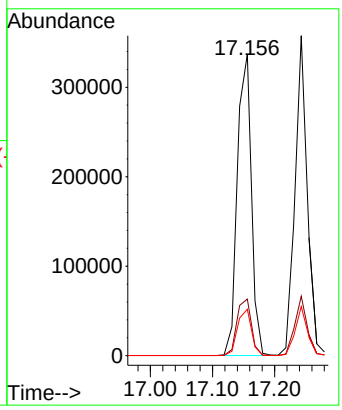


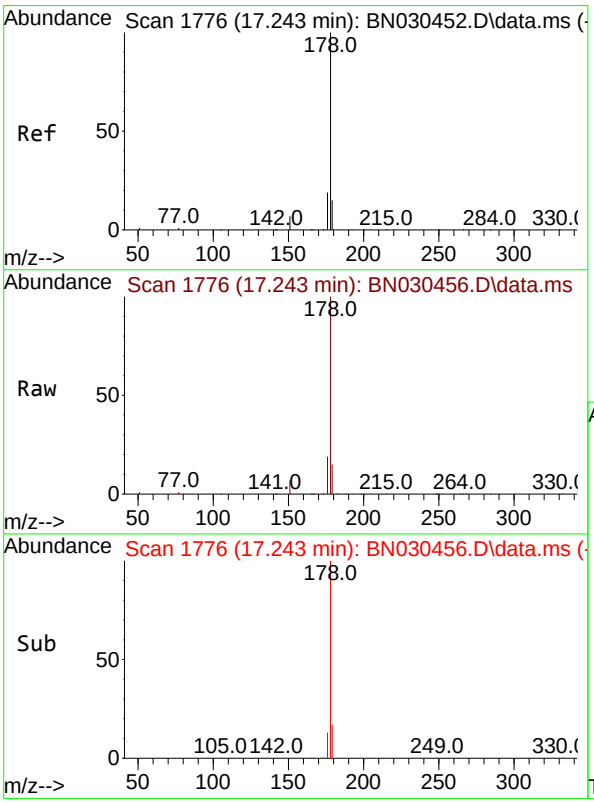
#25
Phenanthrene
Concen: 5.116 ng
RT: 17.156 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 531124

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.2	12.3	18.5

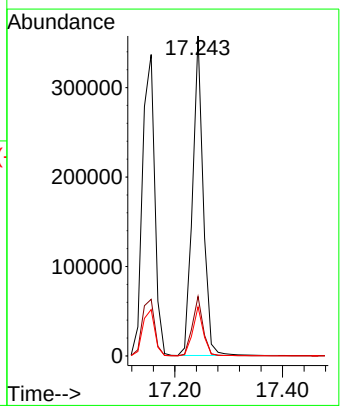


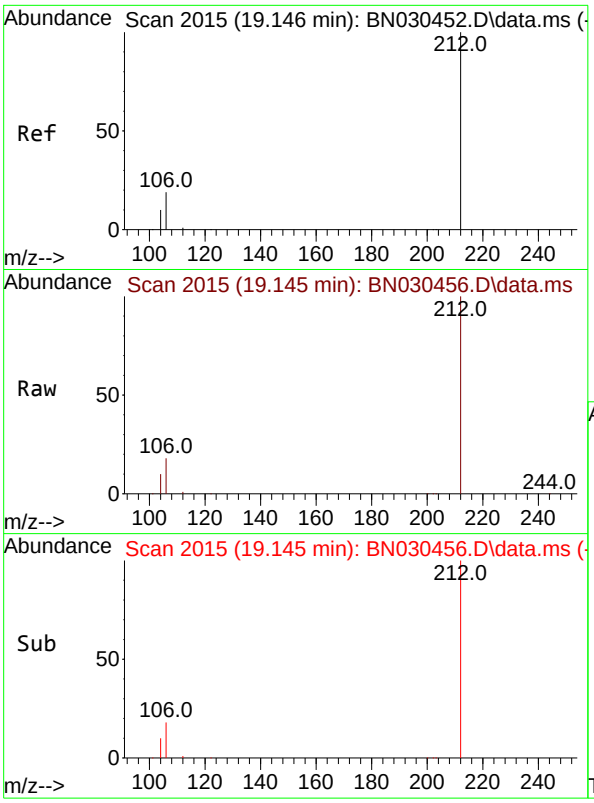


#26
Anthracene
Concen: 5.395 ng
RT: 17.243 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:178 Resp: 493309

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.2	12.2	18.2



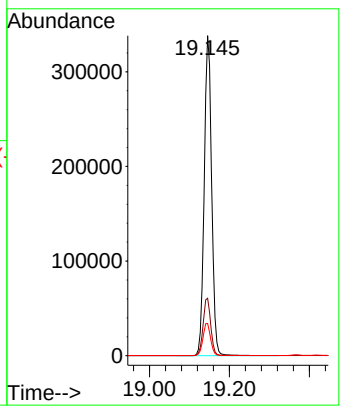


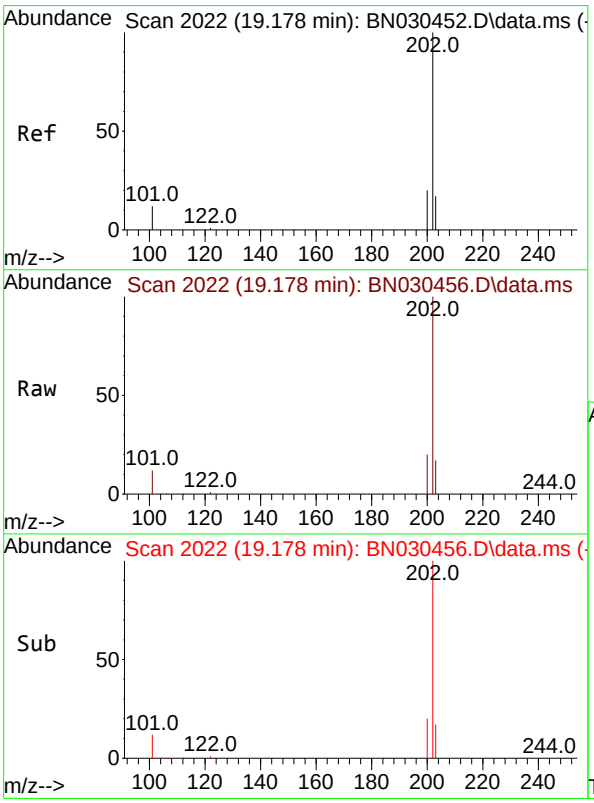
#27
Fluoranthene-d10
Concen: 5.373 ng
RT: 19.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 434823

Ion	Ratio	Lower	Upper
212	100		
106	18.3	14.7	22.1
104	10.3	8.3	12.5

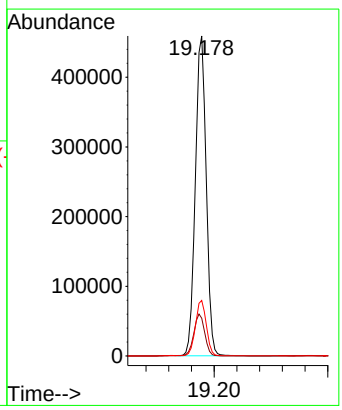


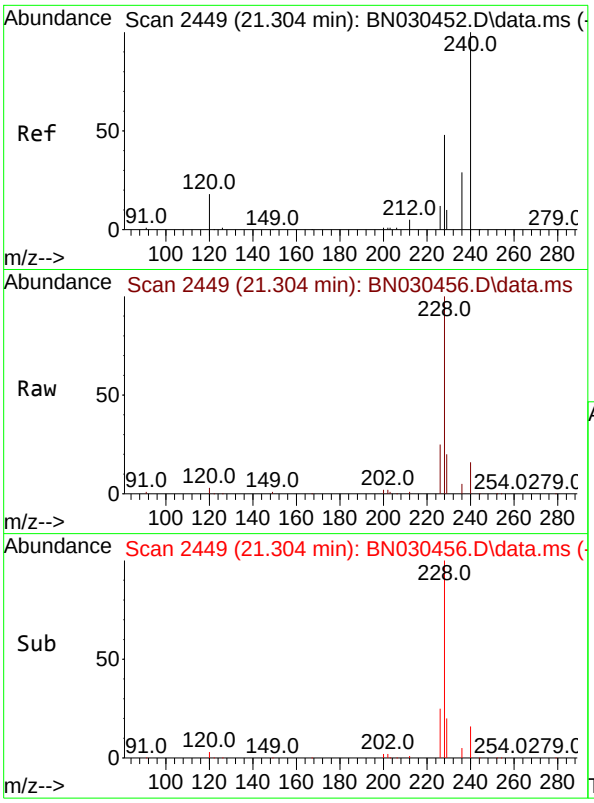


#28
Fluoranthene
Concen: 5.187 ng
RT: 19.178 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:202 Resp: 609175

Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.7	16.1
203	17.4	13.6	20.4



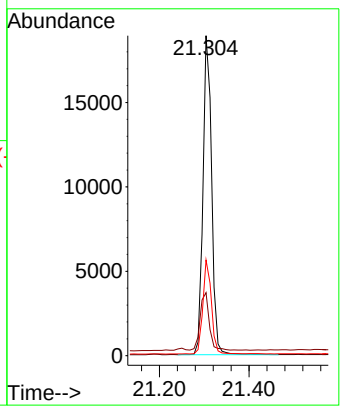


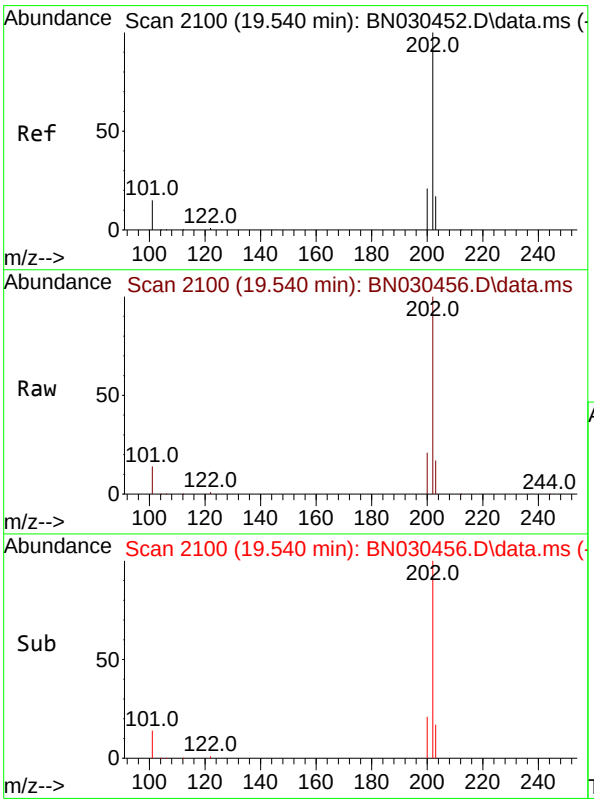
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.304 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 25423

Ion	Ratio	Lower	Upper
240	100		
120	19.7	15.9	23.9
236	29.9	23.8	35.6

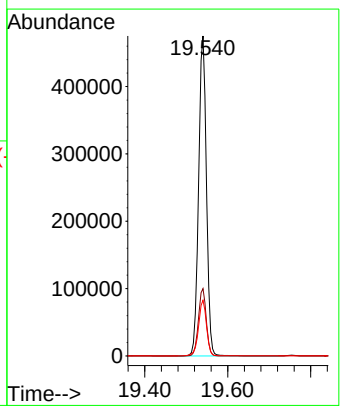


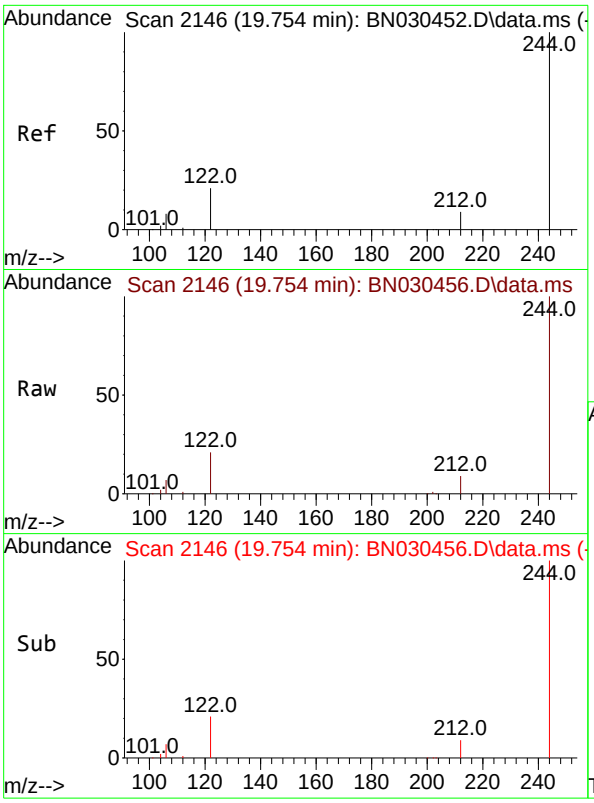


#30
Pyrene
Concen: 4.895 ng
RT: 19.540 min Scan# 2100
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:202 Resp: 622138

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	14.1	21.1



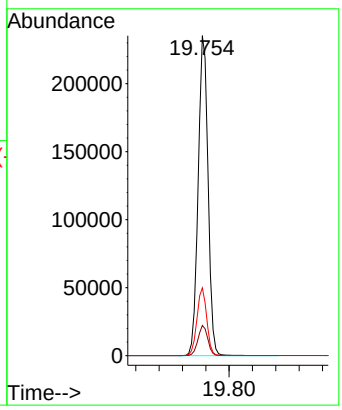


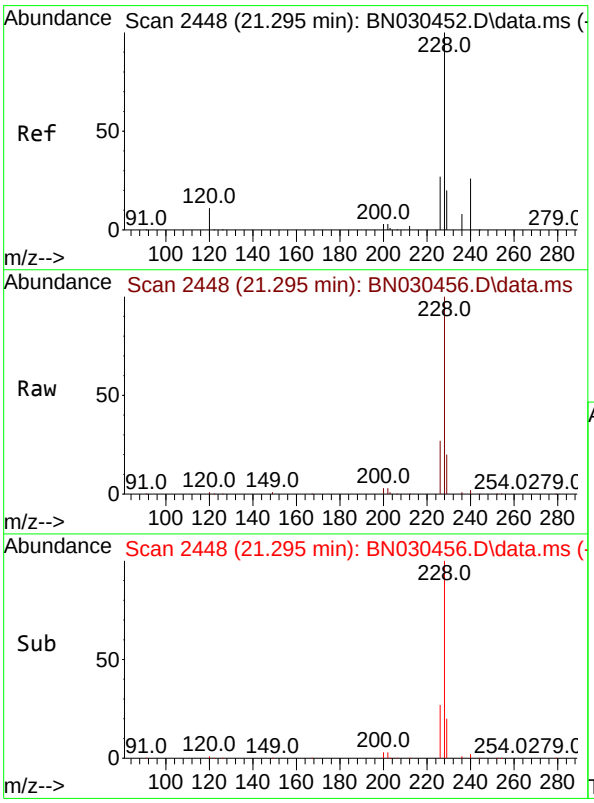
#31
Terphenyl-d14
Concen: 4.846 ng
RT: 19.754 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 276201

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.8	11.6
122	21.2	17.1	25.7

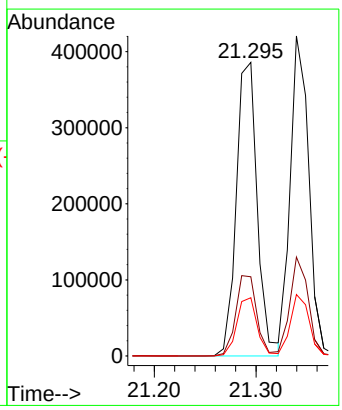


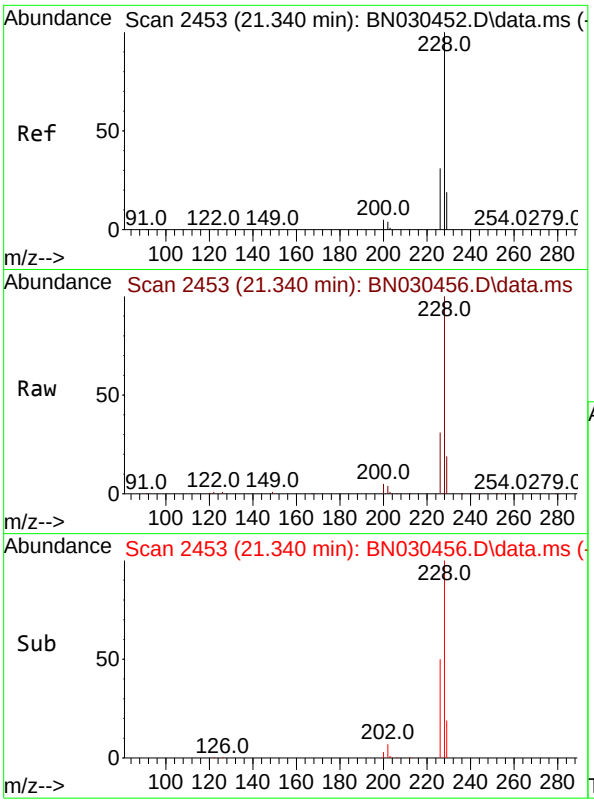


#32
Benzo(a)anthracene
Concen: 5.357 ng
RT: 21.295 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:228 Resp: 551288

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	19.8	15.8	23.6



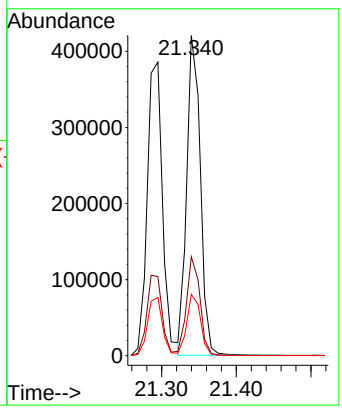


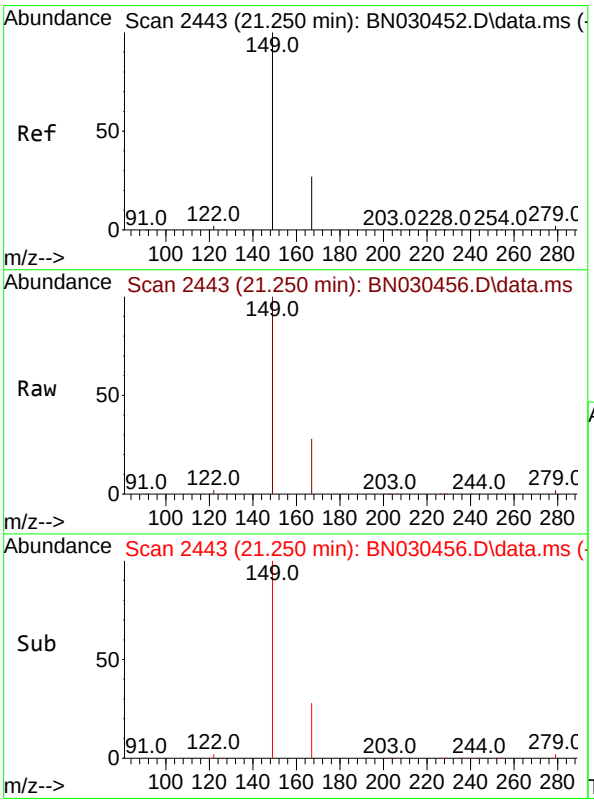
#33
Chrysene
Concen: 4.895 ng
RT: 21.340 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 534493

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	37.0
229	19.2	15.2	22.8

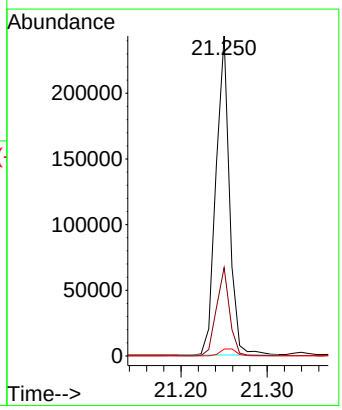


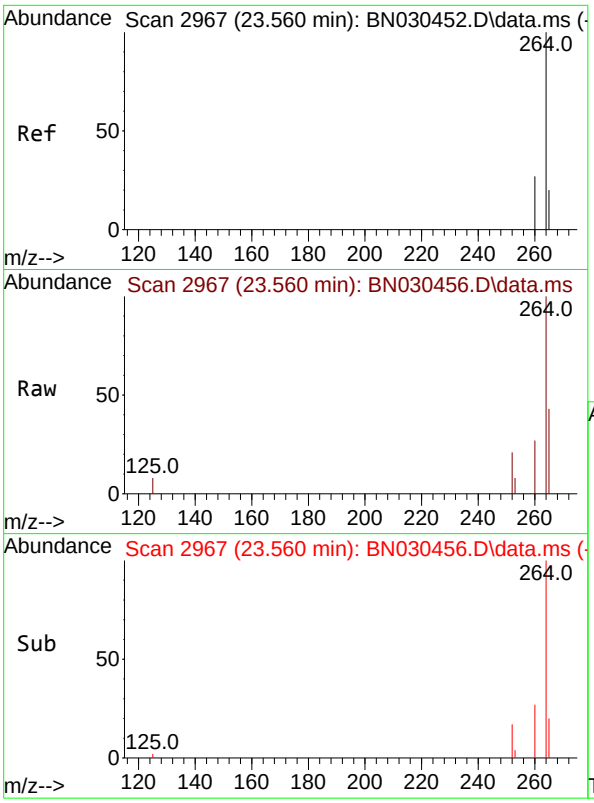


#34
Bis(2-ethylhexyl)phthalate
Concen: 6.057 ng
RT: 21.250 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:149 Resp: 264329

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.2	31.8
279	2.6	1.8	2.8



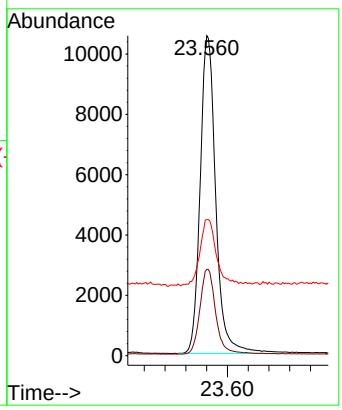


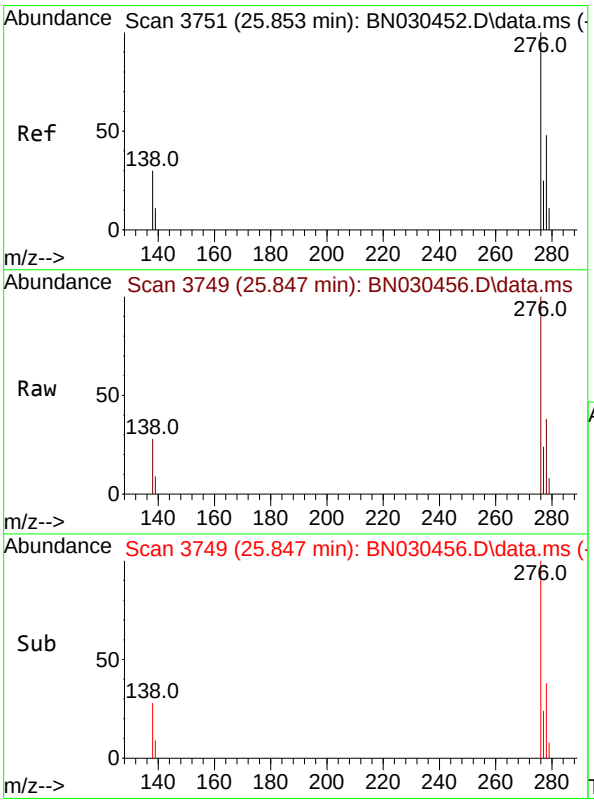
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.560 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 21931

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.9	32.9
265	42.5	32.6	48.8

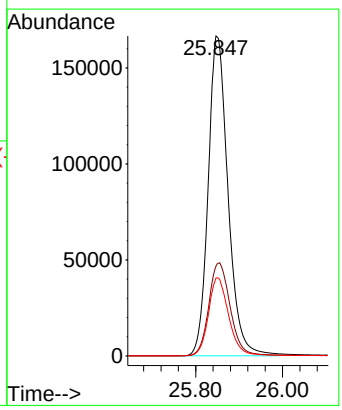


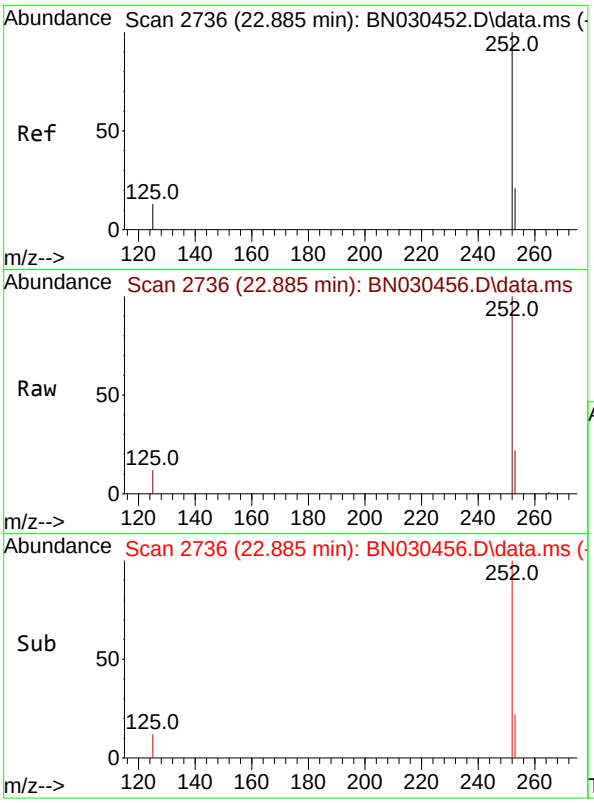


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.970 ng
RT: 25.847 min Scan# 3749
Delta R.T. -0.006 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:276 Resp: 529665

Ion	Ratio	Lower	Upper
276	100		
138	31.2	24.8	37.2
277	24.9	19.1	28.7



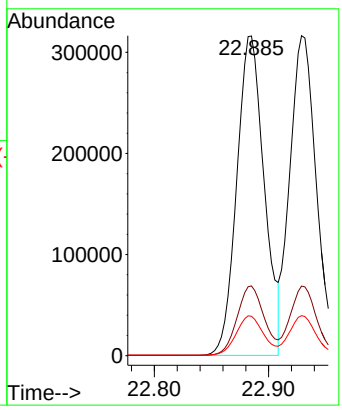


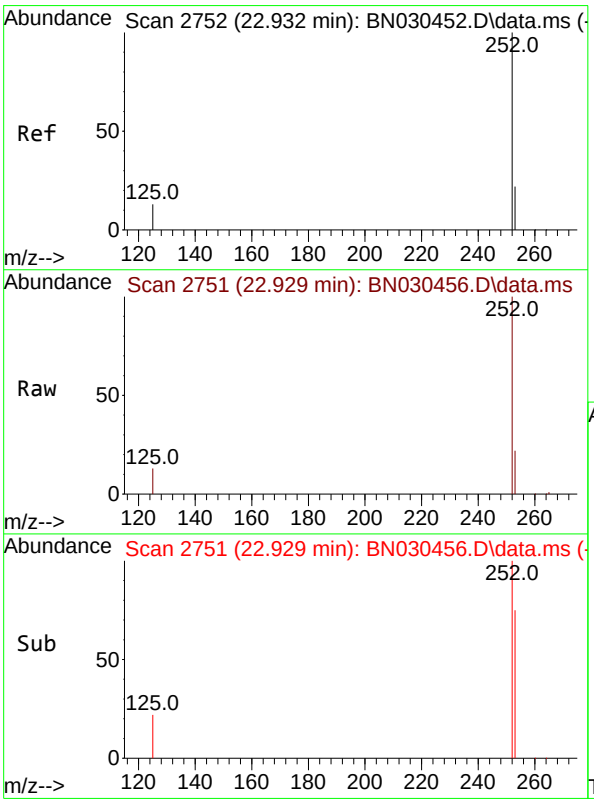
#37
Benzo(b)fluoranthene
Concen: 5.471 ng
RT: 22.885 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 526640

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	12.3	12.0	18.0

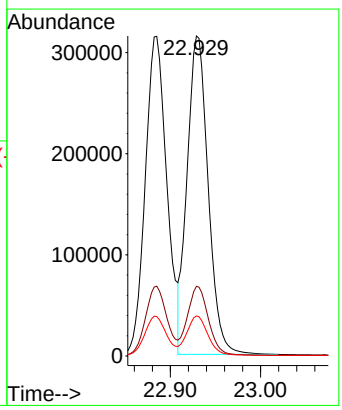


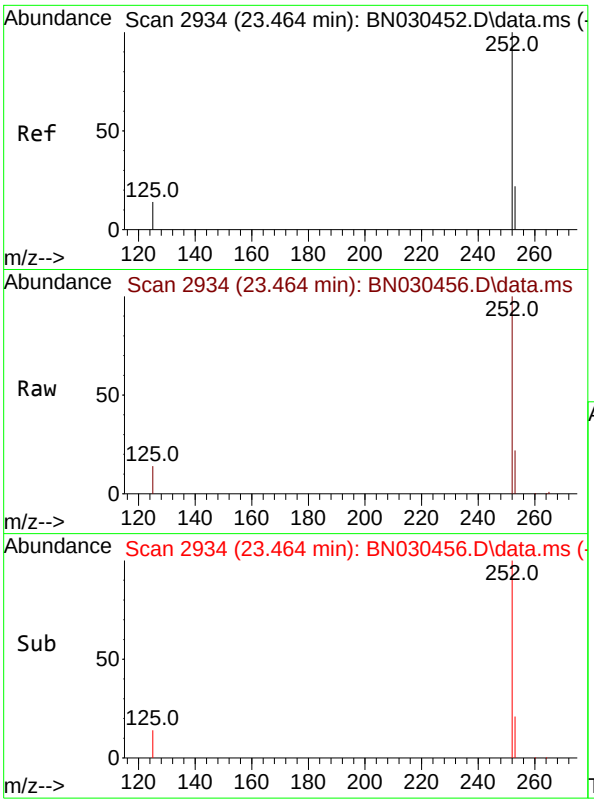


#38
Benzo(k)fluoranthene
Concen: 5.322 ng
RT: 22.929 min Scan# 2751
Delta R.T. -0.003 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:252 Resp: 510262

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.7	28.1
125	12.5	12.6	19.0#



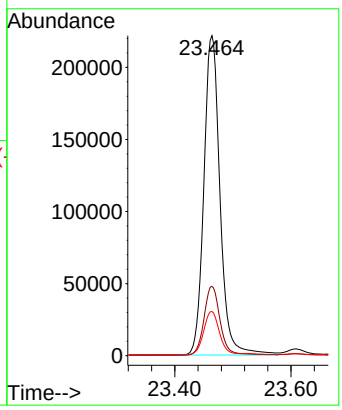


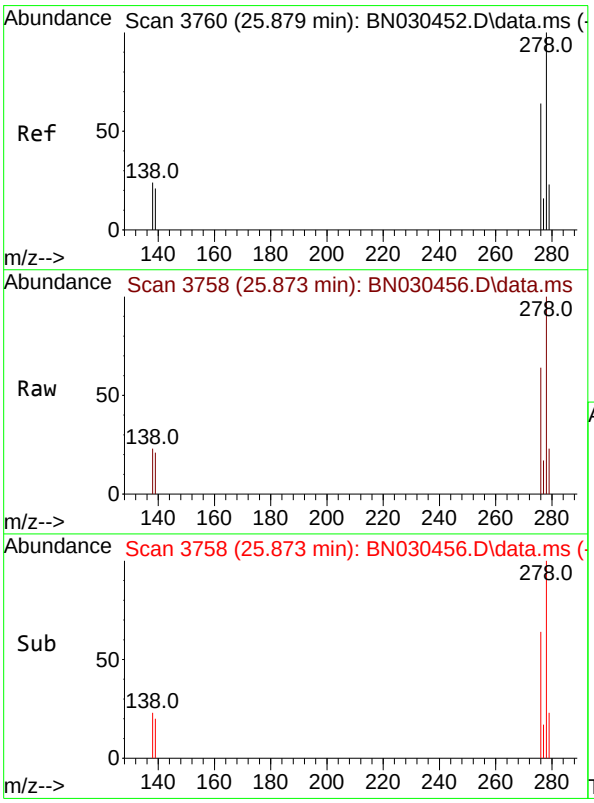
#39
Benzo(a)pyrene
Concen: 5.753 ng
RT: 23.464 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 427709

Ion	Ratio	Lower	Upper
252	100		
253	21.6	19.4	29.0
125	13.8	14.6	22.0#

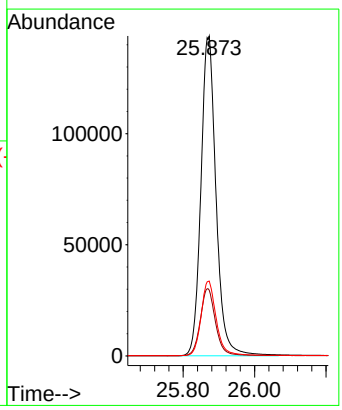


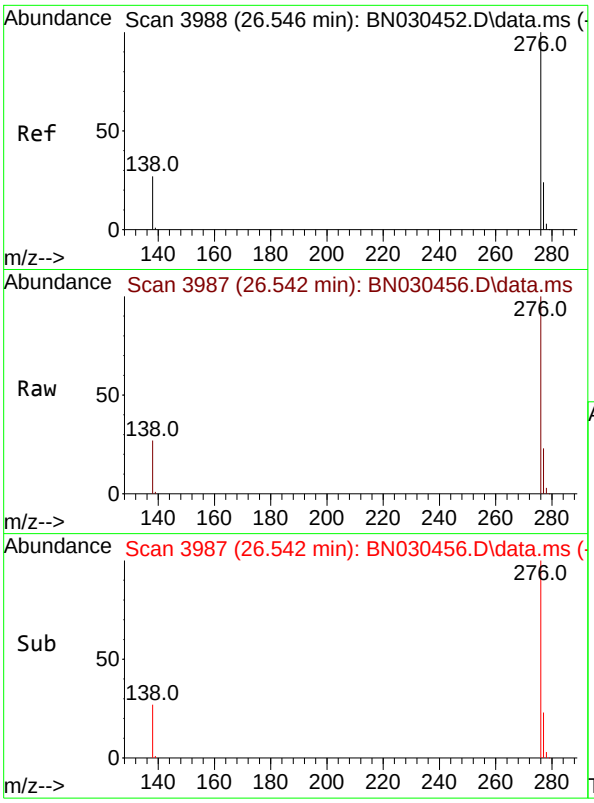


#40
Dibenzo(a,h)anthracene
Concen: 5.930 ng
RT: 25.873 min Scan# 3758
Delta R.T. -0.006 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Tgt Ion:278 Resp: 422801

Ion	Ratio	Lower	Upper
278	100		
139	20.6	18.2	27.2
279	23.4	20.2	30.2





#41
Benzo(g,h,i)perylene
Concen: 5.743 ng
RT: 26.542 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN030456.D
Acq: 21 Mar 2024 20:52

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 451350

Ion	Ratio	Lower	Upper
276	100		
277	23.5	20.0	30.0
138	27.0	22.8	34.2