Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072024\
Data File : BN032878.D
Acq On : 20 Jul 2024 15:58
Operator : MA/JU
Sample : PB162139BSD
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Quant Time: Jul 22 00:43:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jul 21 23:33:21 2024
Response via : Initial Calibration

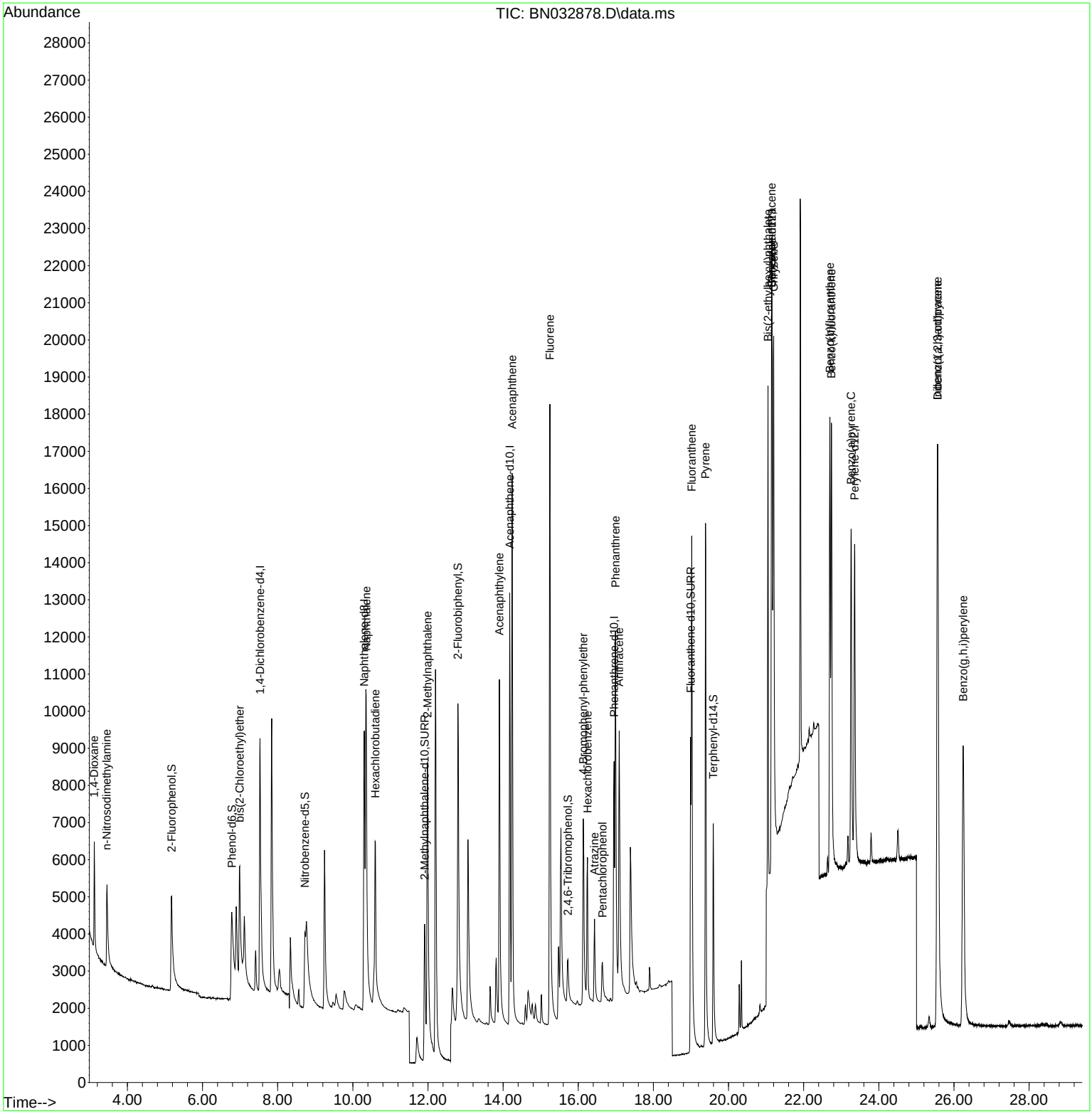
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.530	152	4999	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	15991	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	8061	0.400	ng	0.00
19) Phenanthrene-d10	16.954	188	13204	0.400	ng	0.00
29) Chrysene-d12	21.157	240	11265	0.400	ng	0.00
35) Perylene-d12	23.355	264	13591	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.176	112	5201	0.411	ng	0.00
5) Phenol-d6	6.779	99	6981	0.445	ng	0.00
8) Nitrobenzene-d5	8.723	82	4831	0.401	ng	-0.01
11) 2-Methylnaphthalene-d10	11.911	152	9255	0.378	ng	0.00
14) 2,4,6-Tribromophenol	15.725	330	1116	0.324	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	12798	0.427	ng	-0.01
27) Fluoranthene-d10	18.993	212	12818	0.375	ng	0.00
31) Terphenyl-d14	19.593	244	8714	0.377	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.118	88	2035	0.329	ng	# 93
3) n-Nitrosodimethylamine	3.450	42	1858	0.355	ng	# 95
6) bis(2-Chloroethyl)ether	6.989	93	5759	0.439	ng	94
9) Naphthalene	10.357	128	16943	0.383	ng	99
10) Hexachlorobutadiene	10.602	225	3459	0.409	ng	# 99
12) 2-Methylnaphthalene	11.986	142	10376	0.359	ng	96
16) Acenaphthylene	13.900	152	13402	0.409	ng	99
17) Acenaphthene	14.242	154	8697	0.374	ng	99
18) Fluorene	15.247	166	10209	0.329	ng	99
21) 4-Bromophenyl-phenylether	16.135	248	3225m	0.416	ng	
22) Hexachlorobenzene	16.247	284	3590	0.413	ng	98
23) Atrazine	16.433	200	2506	0.439	ng	95
24) Pentachlorophenol	16.644	266	1136	0.352	ng	96
25) Phenanthrene	16.991	178	13168	0.365	ng	100
26) Anthracene	17.091	178	10979	0.370	ng	100
28) Fluoranthene	19.021	202	15747	0.361	ng	99
30) Pyrene	19.388	202	16355	0.355	ng	100
32) Benzo(a)anthracene	21.148	228	14729	0.414	ng	98
33) Chrysene	21.202	228	16554	0.391	ng	98
34) Bis(2-ethylhexyl)phtha...	21.050	149	12168m	0.617	ng	
36) Indeno(1,2,3-cd)pyrene	25.566	276	21028	0.393	ng	99
37) Benzo(b)fluoranthene	22.698	252	16420	0.347	ng	98
38) Benzo(k)fluoranthene	22.738	252	18416m	0.340	ng	
39) Benzo(a)pyrene	23.262	252	15692	0.368	ng	98
40) Dibenzo(a,h)anthracene	25.566	278	16769	0.396	ng	97
41) Benzo(g,h,i)perylene	26.247	276	17843	0.381	ng	95

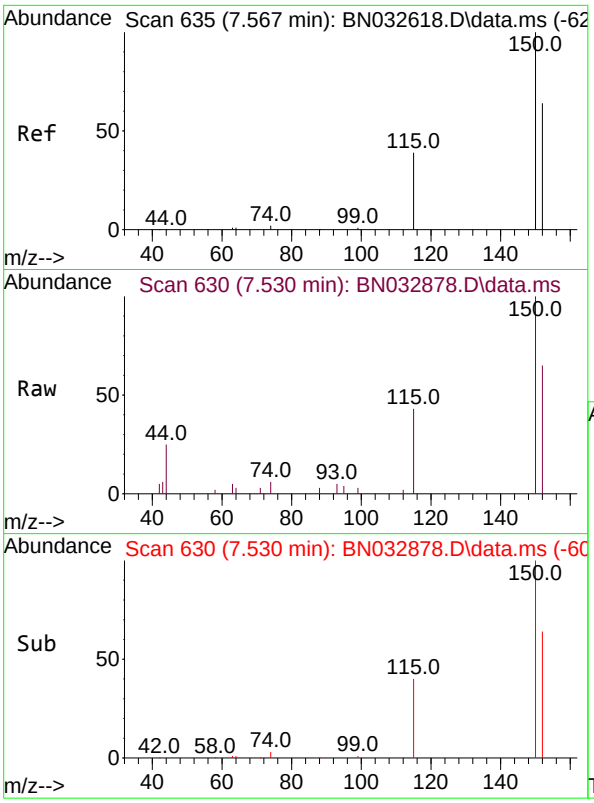
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072024\
Data File : BN032878.D
Acq On : 20 Jul 2024 15:58
Operator : MA/JU
Sample : PB162139BSD
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Quant Time: Jul 22 00:43:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jul 21 23:33:21 2024
Response via : Initial Calibration



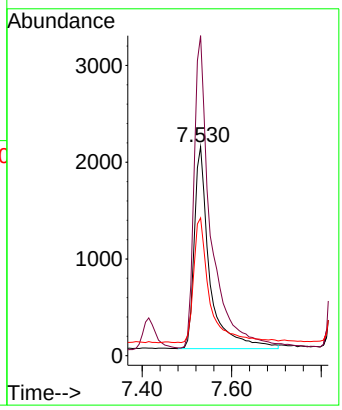


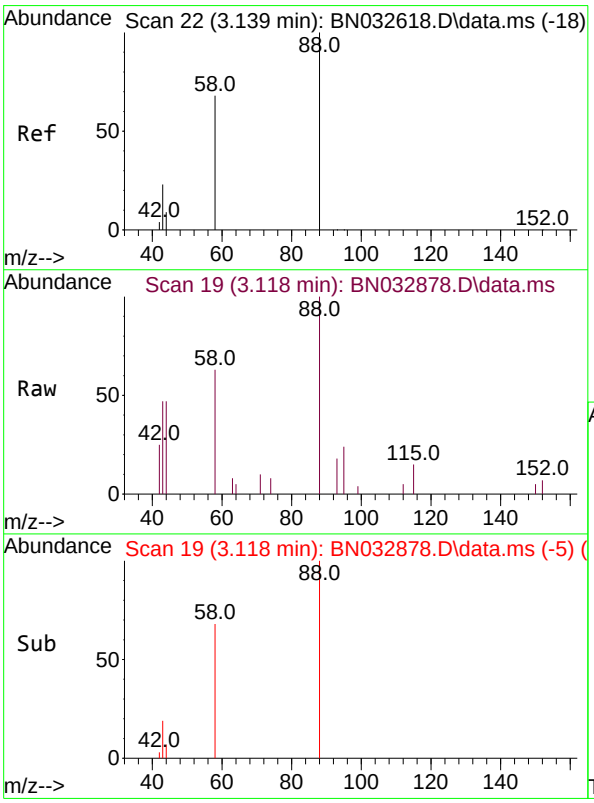
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.530 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:152 Resp: 4999

Ion	Ratio	Lower	Upper
152	100		
150	153.1	123.8	185.6
115	65.9	52.8	79.2

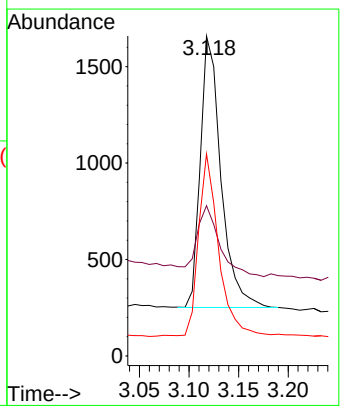


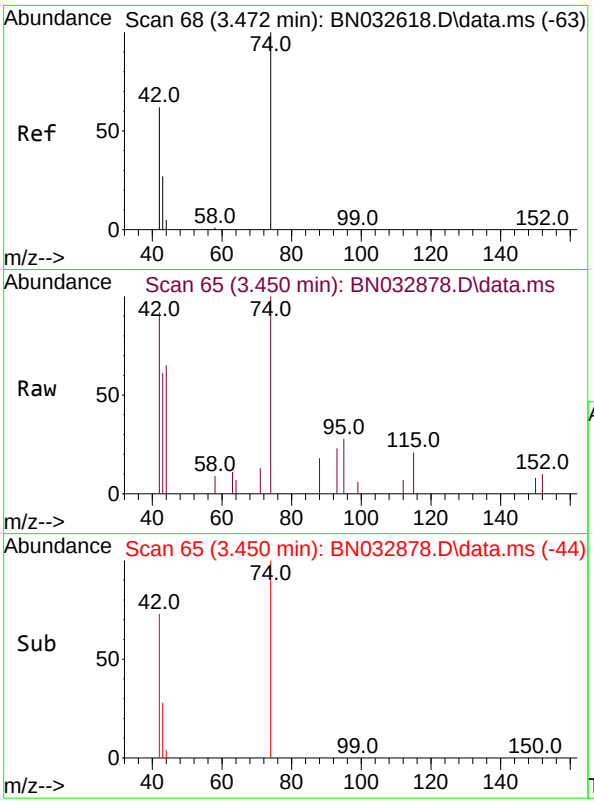


#2
1,4-Dioxane
Concen: 0.329 ng
RT: 3.118 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion: 88 Resp: 2035

Ion	Ratio	Lower	Upper
88	100		
43	28.4	18.4	27.6#
58	65.8	49.2	73.8



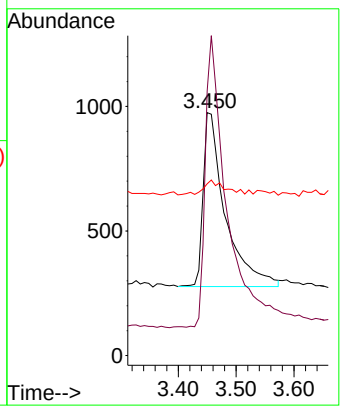


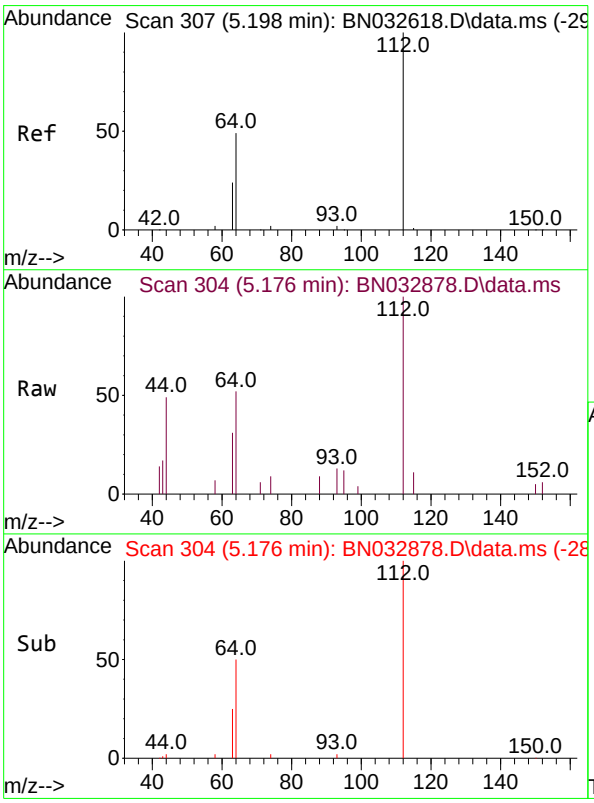
#3
n-Nitrosodimethylamine
Concen: 0.355 ng
RT: 3.450 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion: 42 Resp: 1858

Ion	Ratio	Lower	Upper
42	100		
74	164.7	126.9	190.3
44	8.1	4.8	7.2#

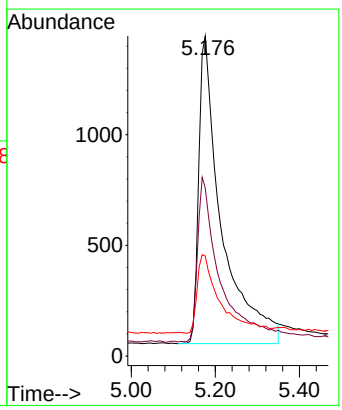


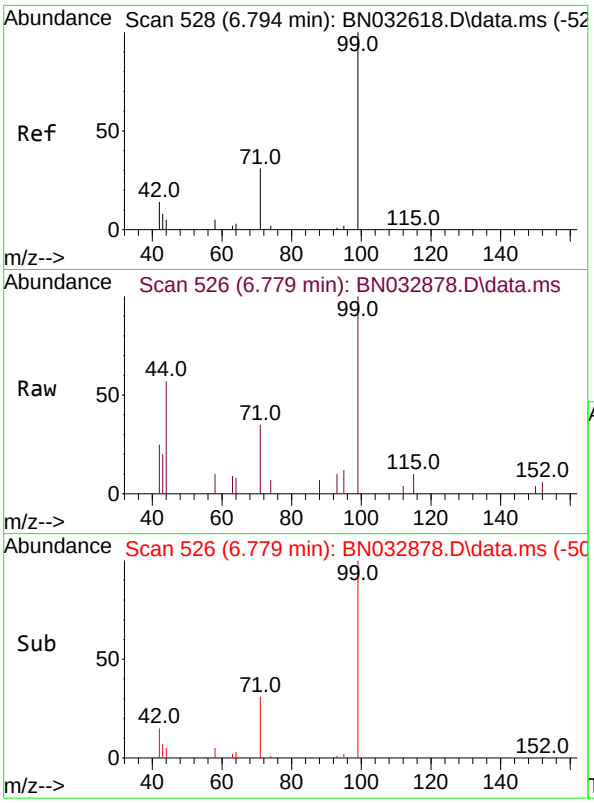


#4
2-Fluorophenol
Concen: 0.411 ng
RT: 5.176 min Scan# 304
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:112 Resp: 5201

Ion	Ratio	Lower	Upper
112	100		
64	52.4	40.2	60.4
63	26.1	22.2	33.4



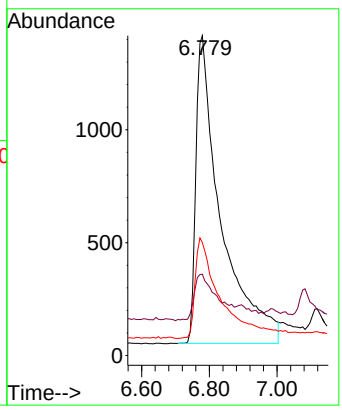


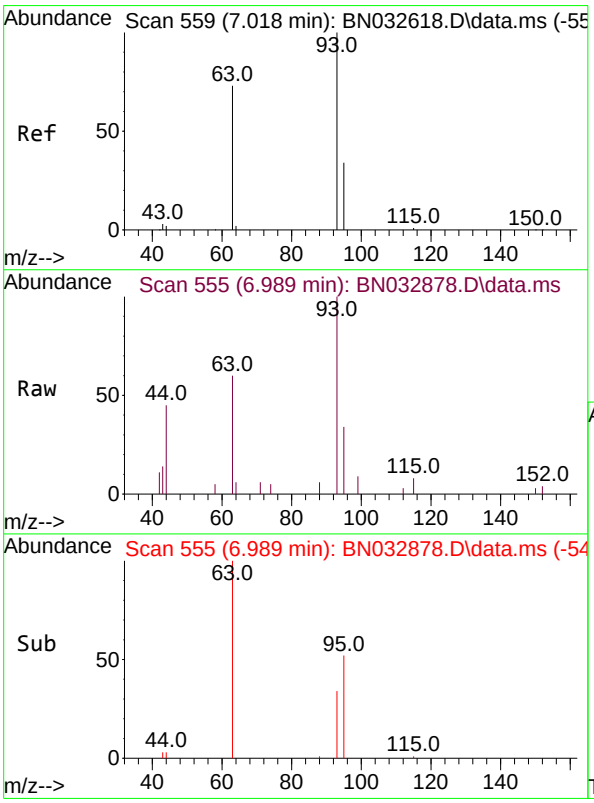
#5
Phenol-d6
Concen: 0.445 ng
RT: 6.779 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion: 99 Resp: 6981

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.5	15.7
71	32.9	22.3	33.5

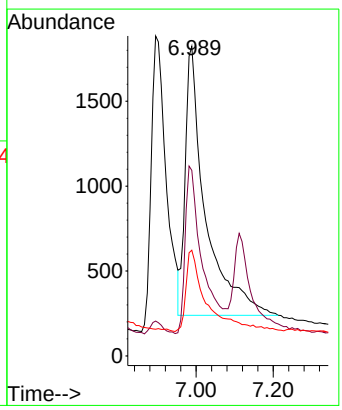


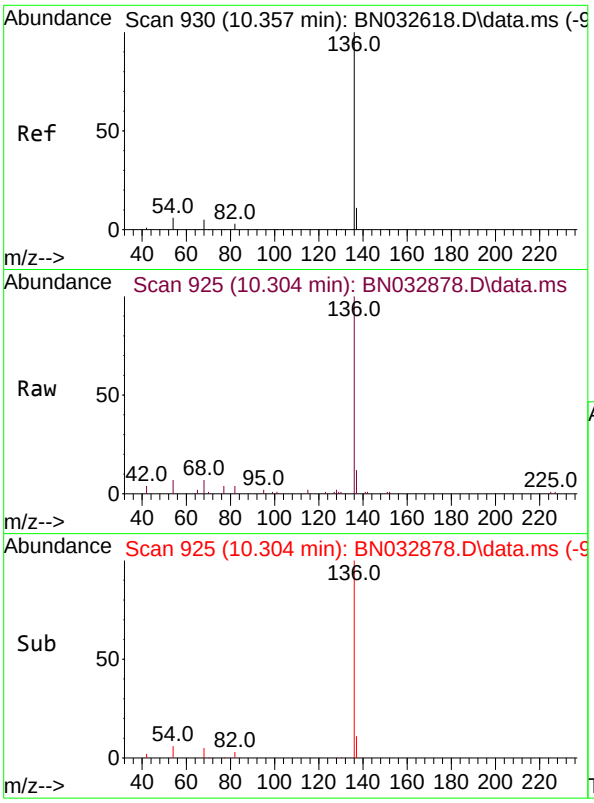


#6
bis(2-Chloroethyl)ether
Concen: 0.439 ng
RT: 6.989 min Scan# 555
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion: 93 Resp: 5759

Ion	Ratio	Lower	Upper
93	100		
63	51.4	46.4	69.6
95	31.0	25.5	38.3



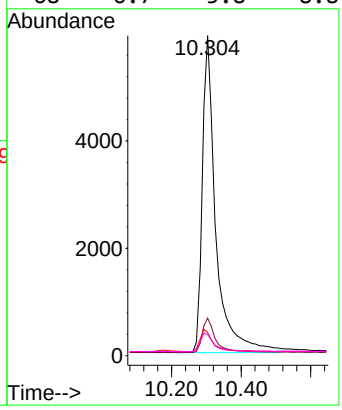


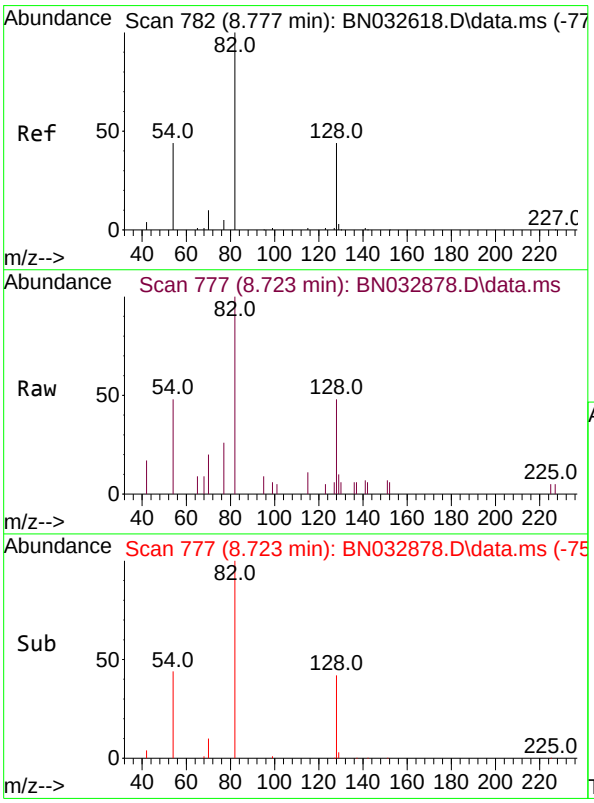
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:136 Resp: 15991

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.9	14.9
54	7.2	6.5	9.7
68	6.7	5.8	8.8

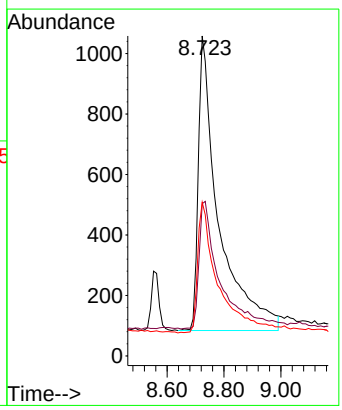


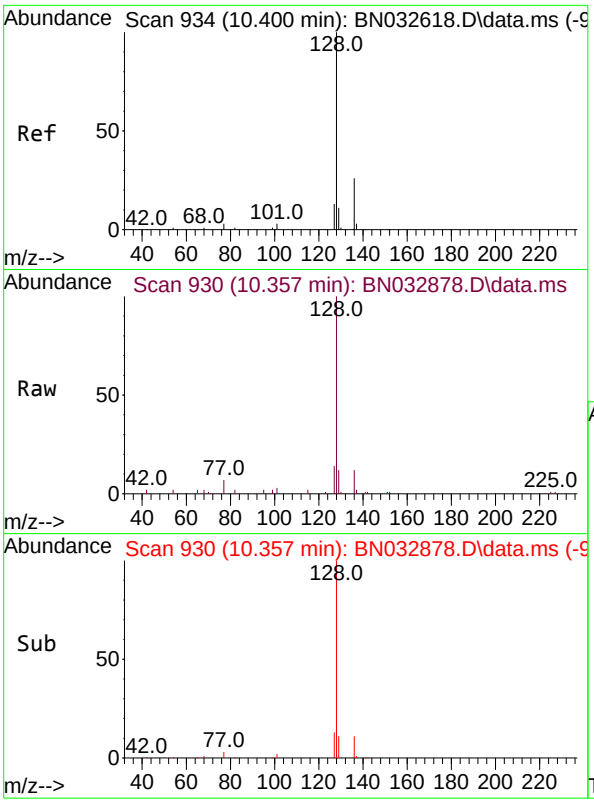


#8
Nitrobenzene-d5
Concen: 0.401 ng
RT: 8.723 min Scan# 777
Delta R.T. -0.011 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion: 82 Resp: 4831

Ion	Ratio	Lower	Upper
82	100		
128	47.5	41.7	62.5
54	48.0	39.5	59.3



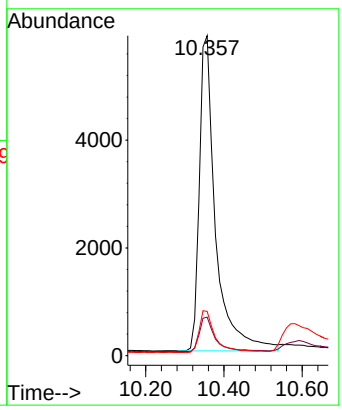


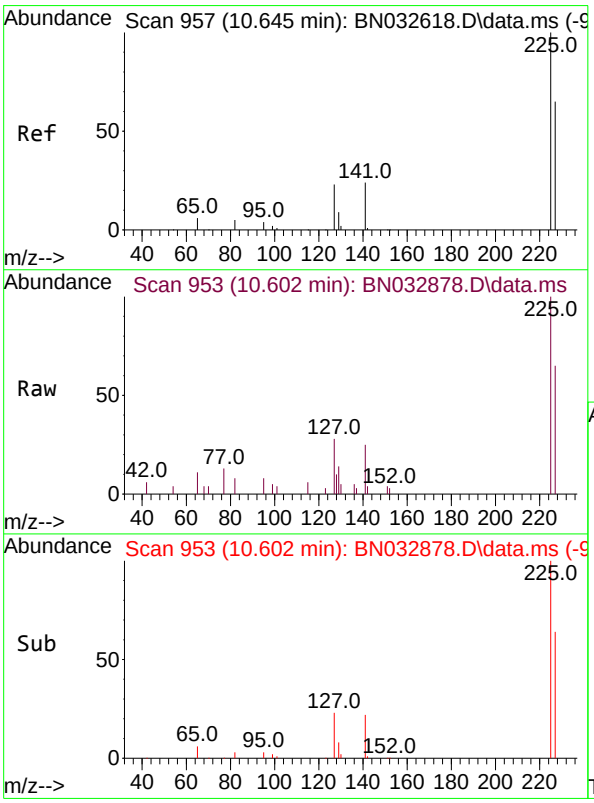
#9
Naphthalene
Concen: 0.383 ng
RT: 10.357 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:128 Resp: 16943

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.8	14.8
127	13.9	11.5	17.3

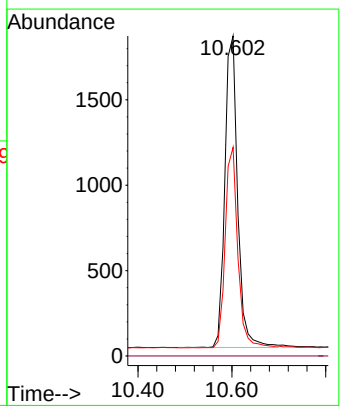


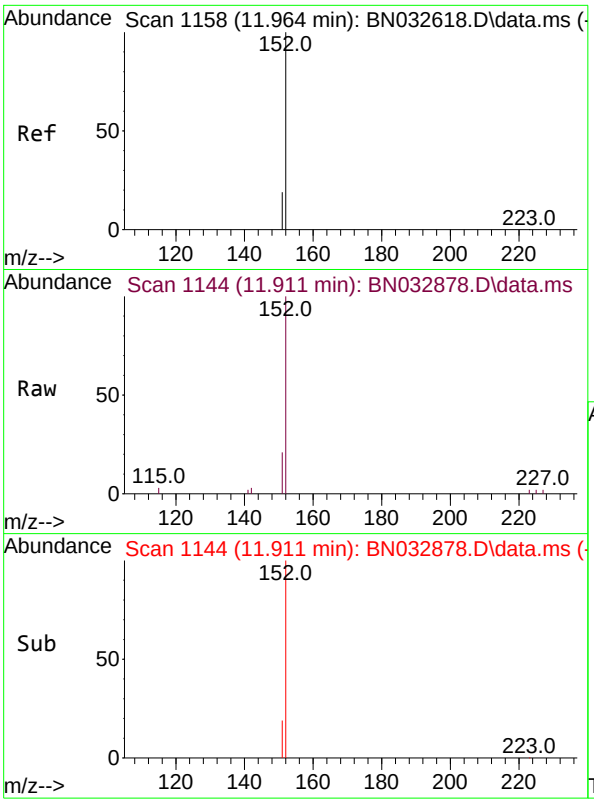


#10
Hexachlorobutadiene
Concen: 0.409 ng
RT: 10.602 min Scan# 953
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:225 Resp: 3459

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.3	76.9



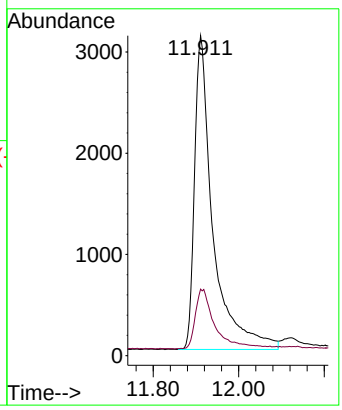


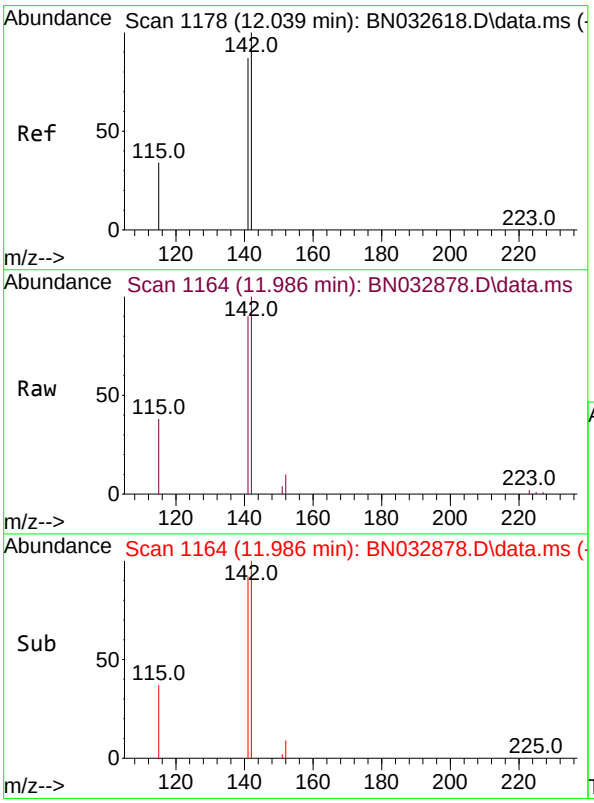
#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 11.911 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:152 Resp: 9255

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2

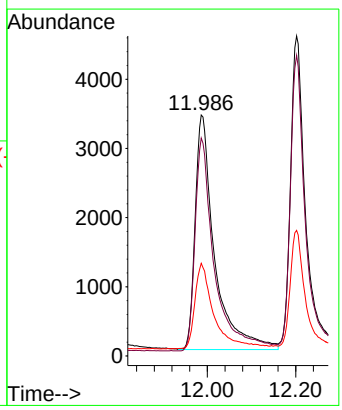


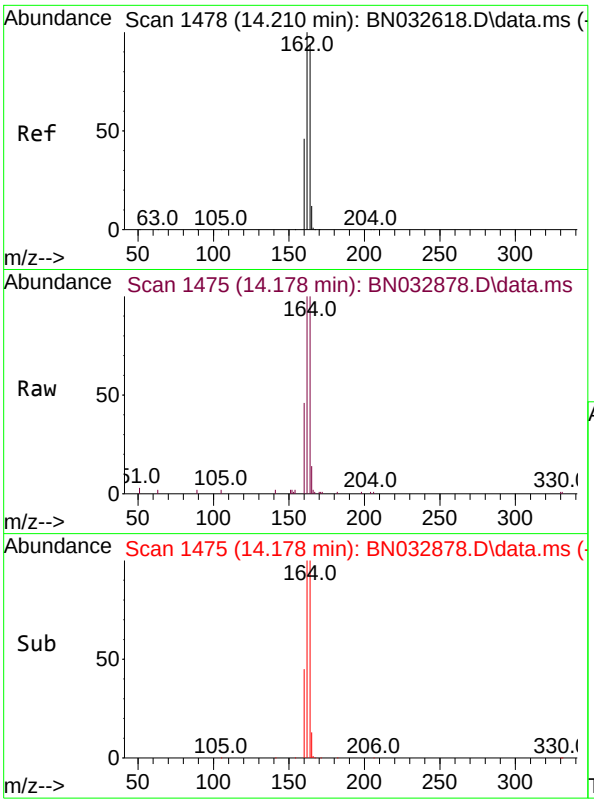


#12
2-Methylnaphthalene
Concen: 0.359 ng
RT: 11.986 min Scan# 1164
Delta R.T. -0.004 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:142 Resp: 10376

Ion	Ratio	Lower	Upper
142	100		
141	90.4	69.3	103.9
115	38.4	29.5	44.3



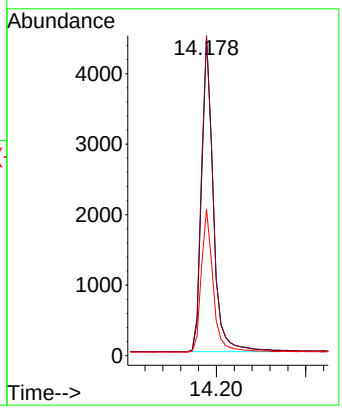


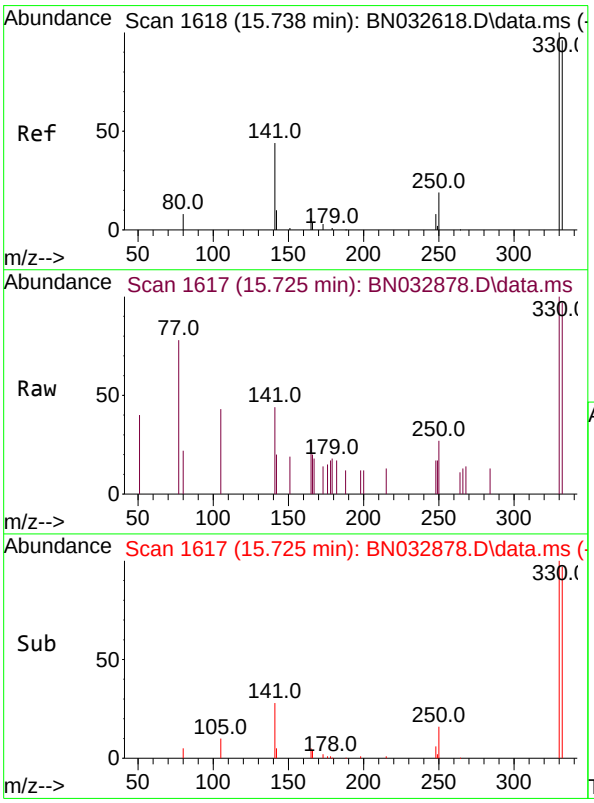
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:164 Resp: 8061

Ion	Ratio	Lower	Upper
164	100		
162	100.3	85.0	127.4
160	45.9	39.4	59.2

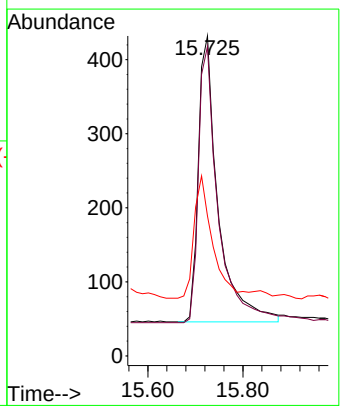


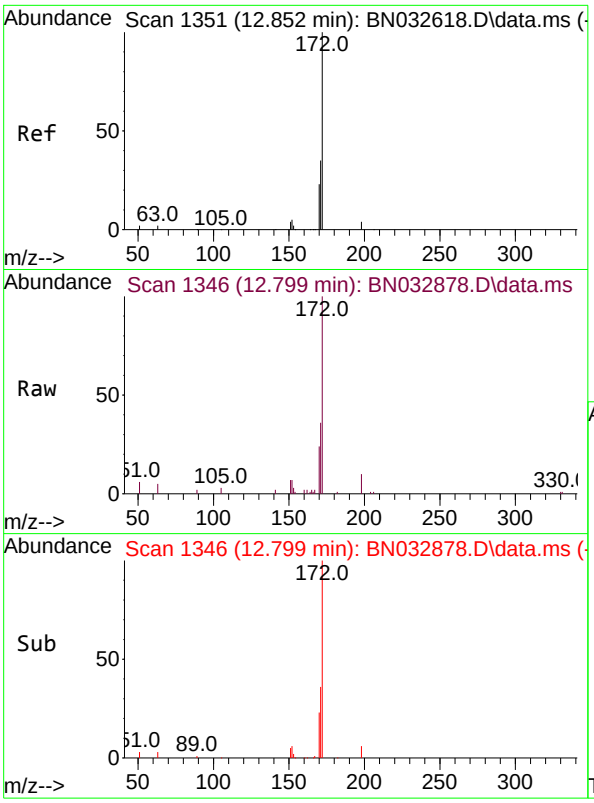


#14
2,4,6-Tribromophenol
Concen: 0.324 ng
RT: 15.725 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:330 Resp: 1116

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.8	116.8
141	40.2	34.2	51.2



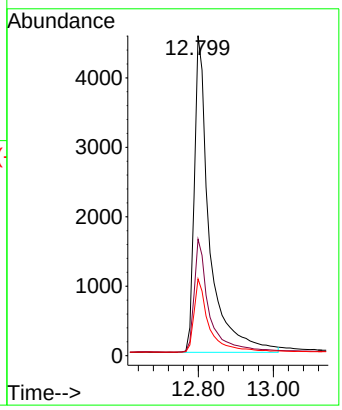


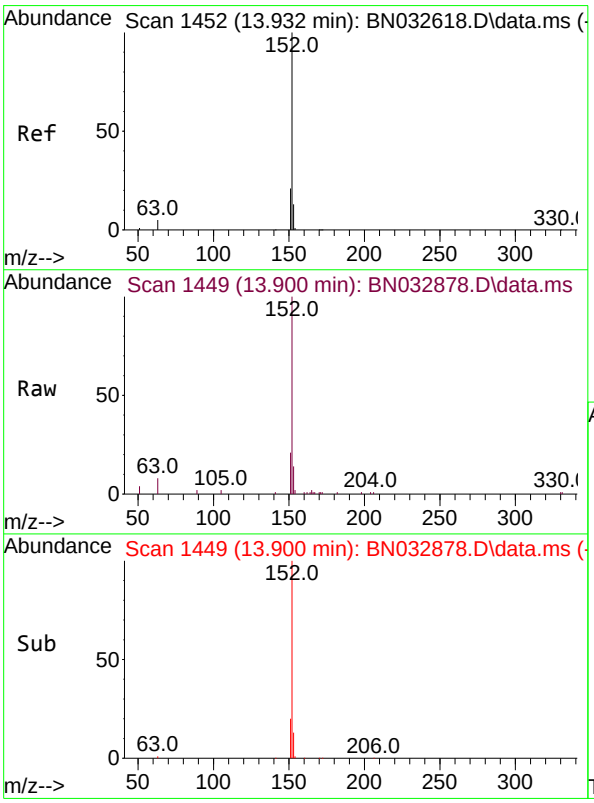
#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 12.799 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:172 Resp: 12798

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.0	19.0	28.6

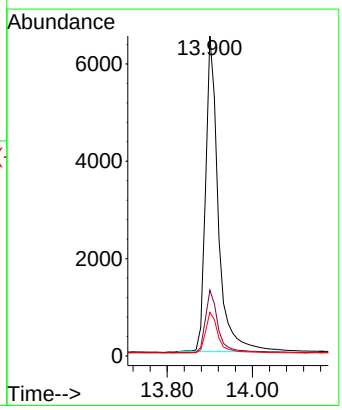


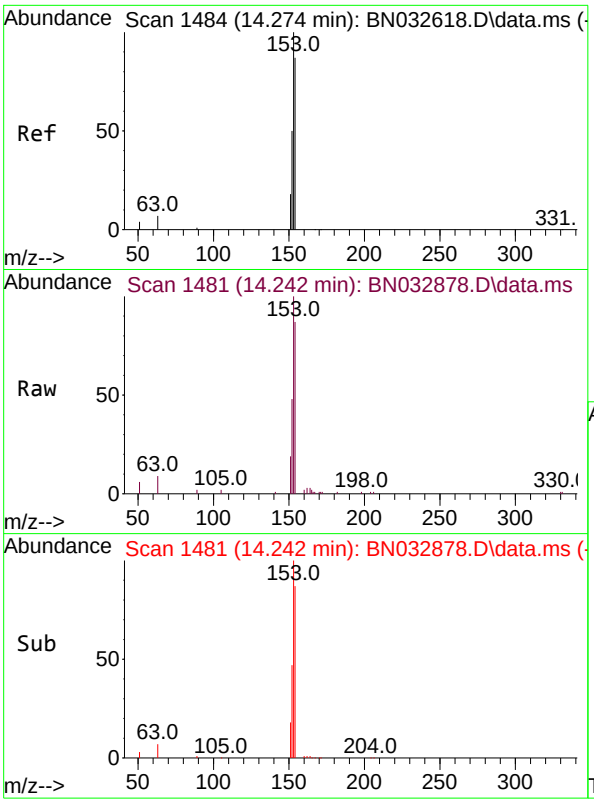


#16
Acenaphthylene
Concen: 0.409 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:152 Resp: 13402

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.0	10.6	15.8



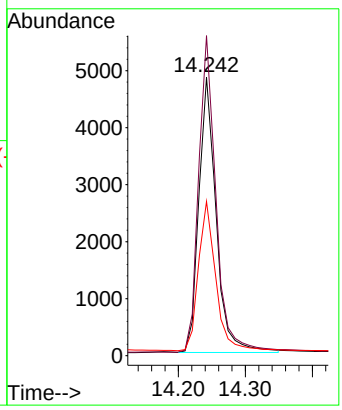


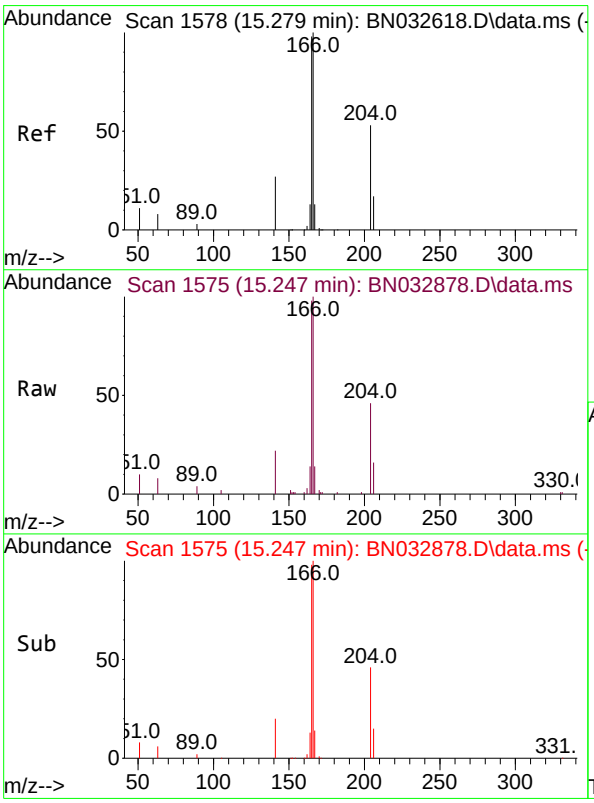
#17
Acenaphthene
Concen: 0.374 ng
RT: 14.242 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:154 Resp: 8697

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.8	137.8
152	54.3	45.2	67.8

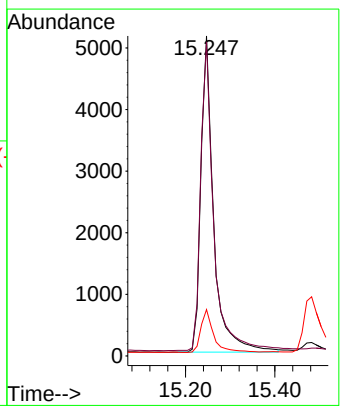


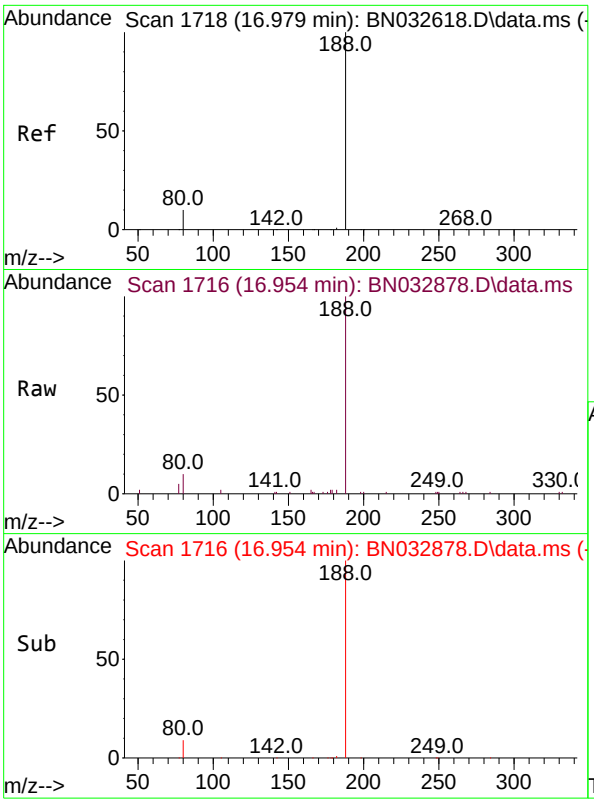


#18
Fluorene
Concen: 0.329 ng
RT: 15.247 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:166 Resp: 10209

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.0	117.0
167	13.6	10.7	16.1



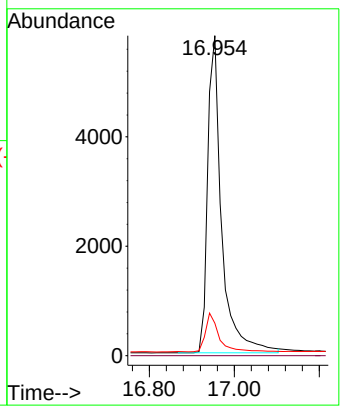


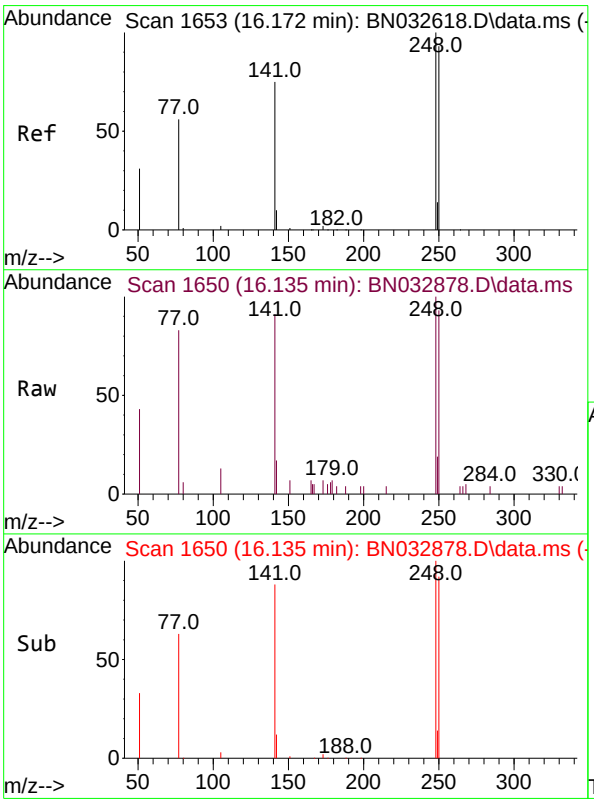
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.954 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:188 Resp: 13204

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	8.8	13.2

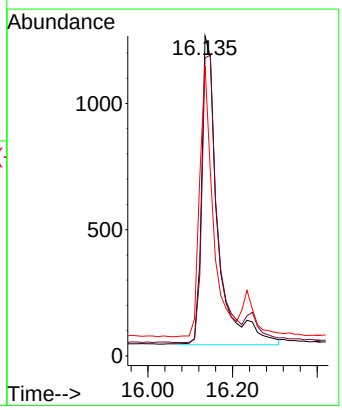


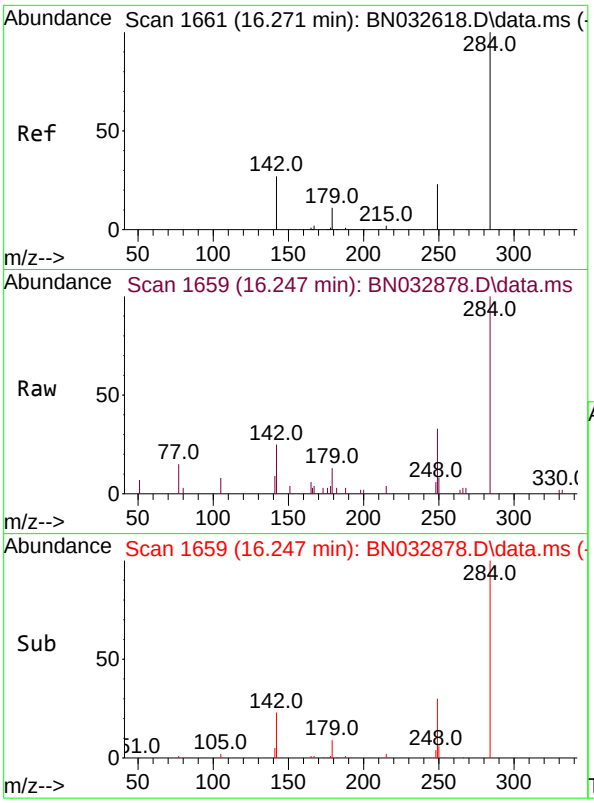


#21
4-Bromophenyl-phenylether
Concen: 0.416 ng m
RT: 16.135 min Scan# 1650
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:248 Resp: 3225

Ion	Ratio	Lower	Upper
248	100		
250	93.2	75.1	112.7
141	90.6	62.0	93.0



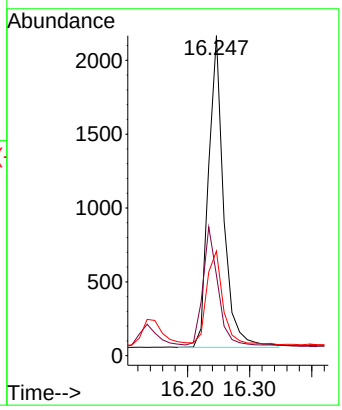


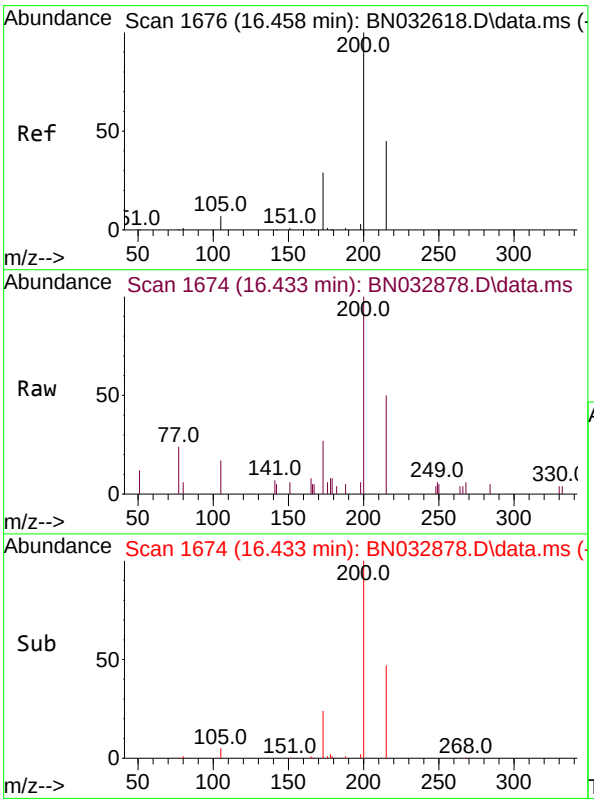
#22
Hexachlorobenzene
Concen: 0.413 ng
RT: 16.247 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:284 Resp: 3590

Ion	Ratio	Lower	Upper
284	100		
142	37.2	29.4	44.0
249	32.0	24.6	36.8

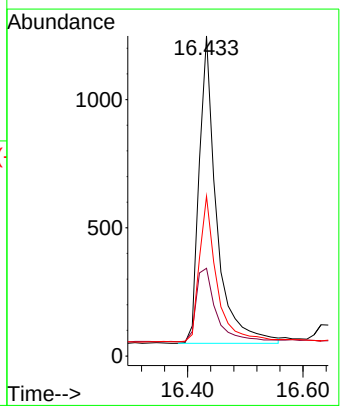


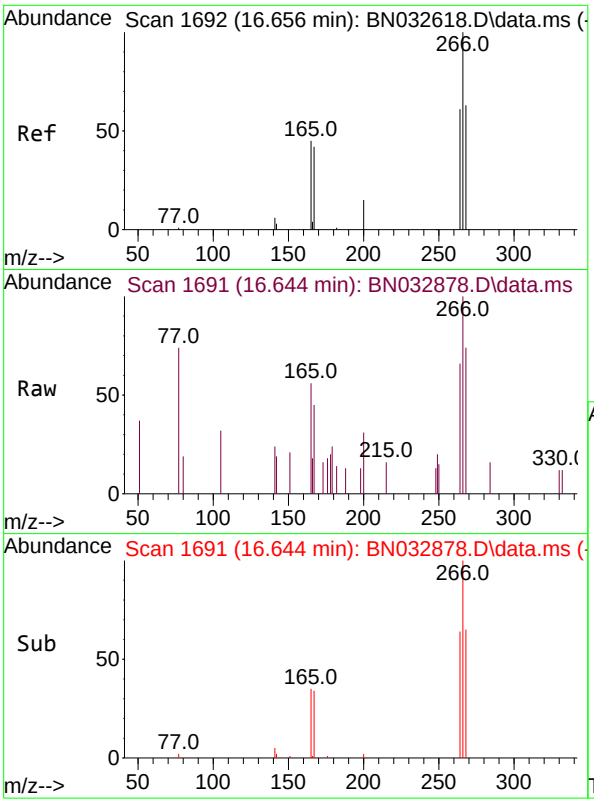


#23
Atrazine
Concen: 0.439 ng
RT: 16.433 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:200 Resp: 2506

Ion	Ratio	Lower	Upper
200	100		
173	27.4	25.4	38.2
215	49.9	38.2	57.2



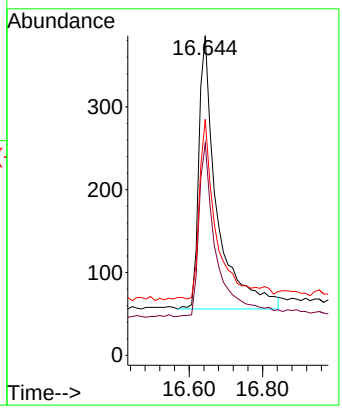


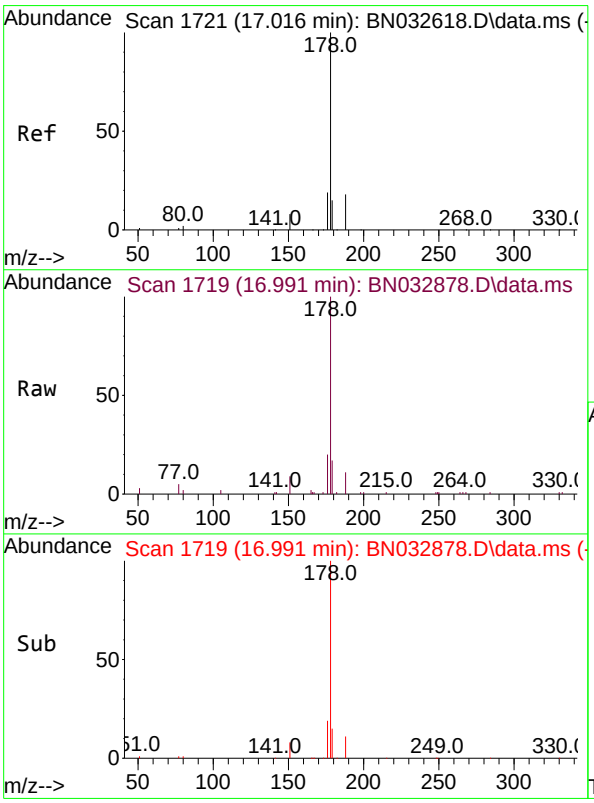
#24
Pentachlorophenol
Concen: 0.352 ng
RT: 16.644 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:266 Resp: 1136

Ion	Ratio	Lower	Upper
266	100		
264	60.9	50.2	75.2
268	61.5	52.8	79.2

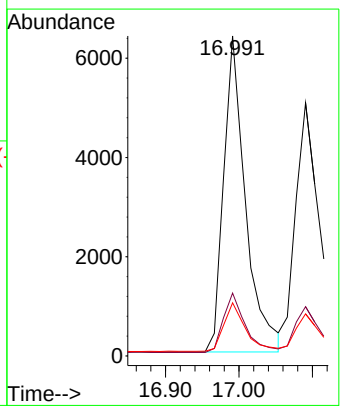


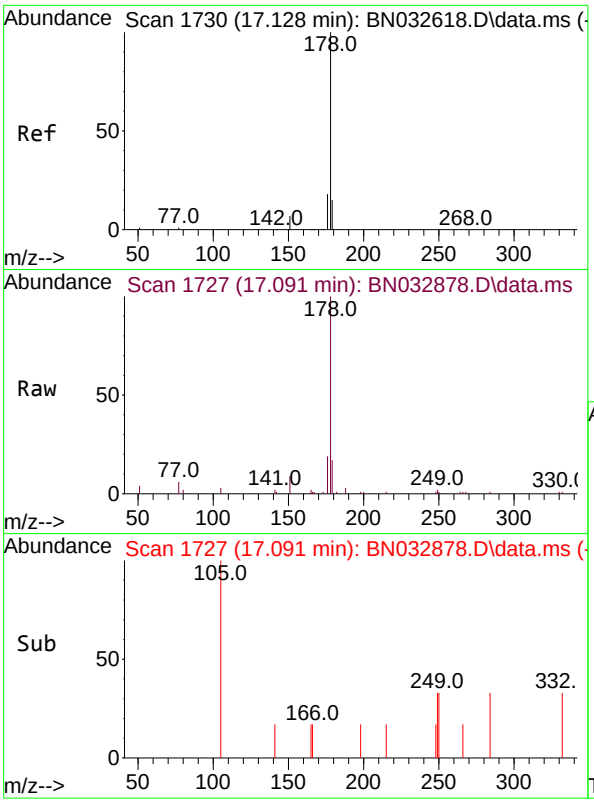


#25
Phenanthrene
Concen: 0.365 ng
RT: 16.991 min Scan# 1719
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:178 Resp: 13168

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.4	12.2	18.4



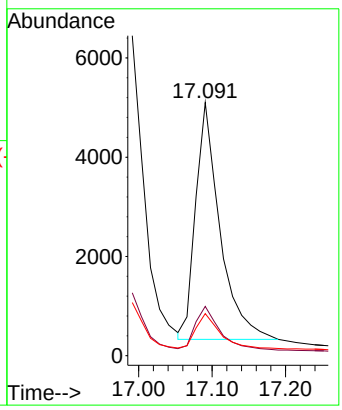


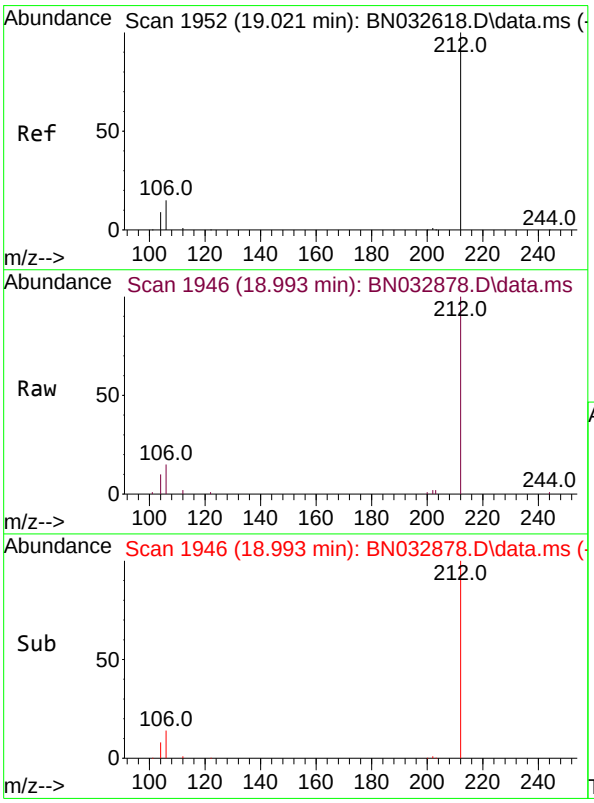
#26
Anthracene
Concen: 0.370 ng
RT: 17.091 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:178 Resp: 10979

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	14.5	11.8	17.8

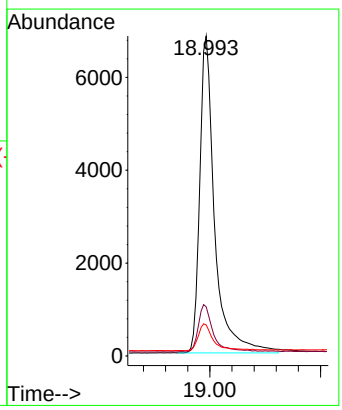


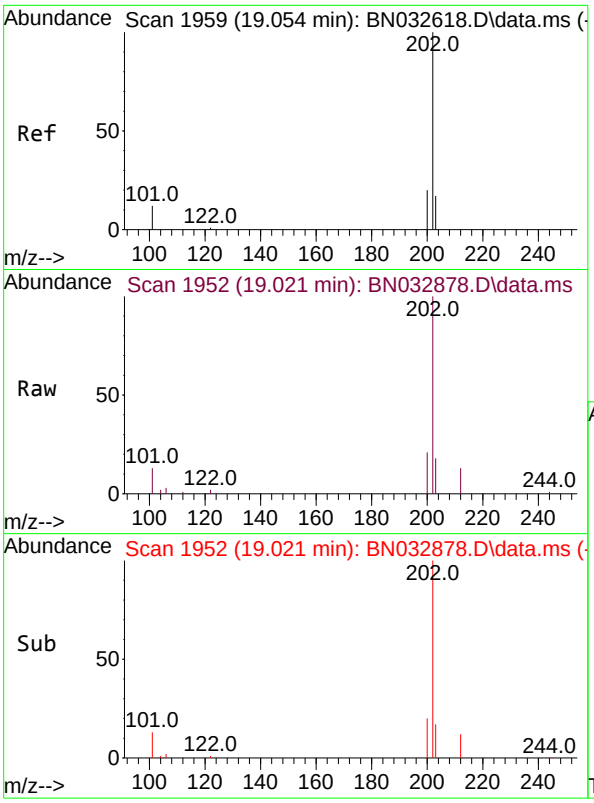


#27
Fluoranthene-d10
Concen: 0.375 ng
RT: 18.993 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:212 Resp: 12818

Ion	Ratio	Lower	Upper
212	100		
106	15.0	11.9	17.9
104	8.7	6.9	10.3



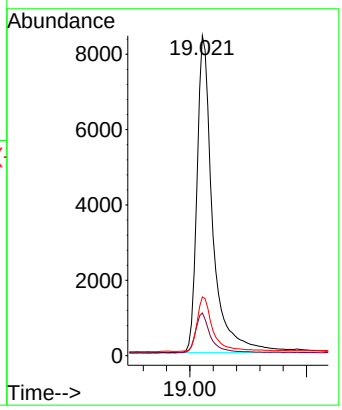


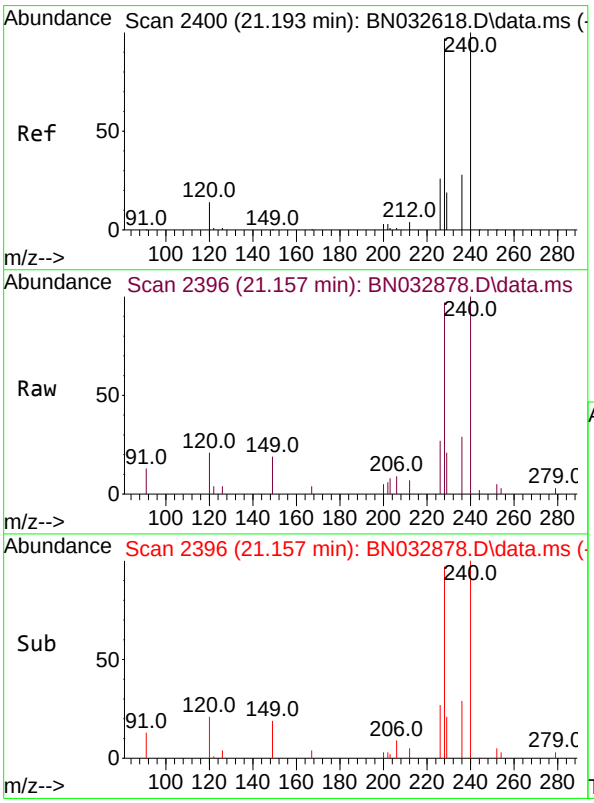
#28
Fluoranthene
Concen: 0.361 ng
RT: 19.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:202 Resp: 15747

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.6	14.4
203	17.5	13.8	20.6

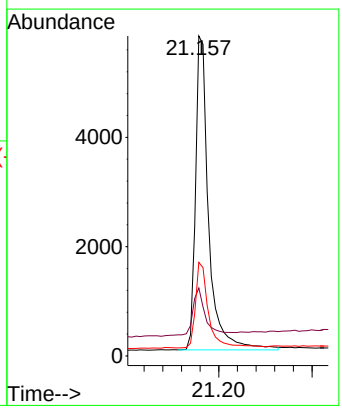


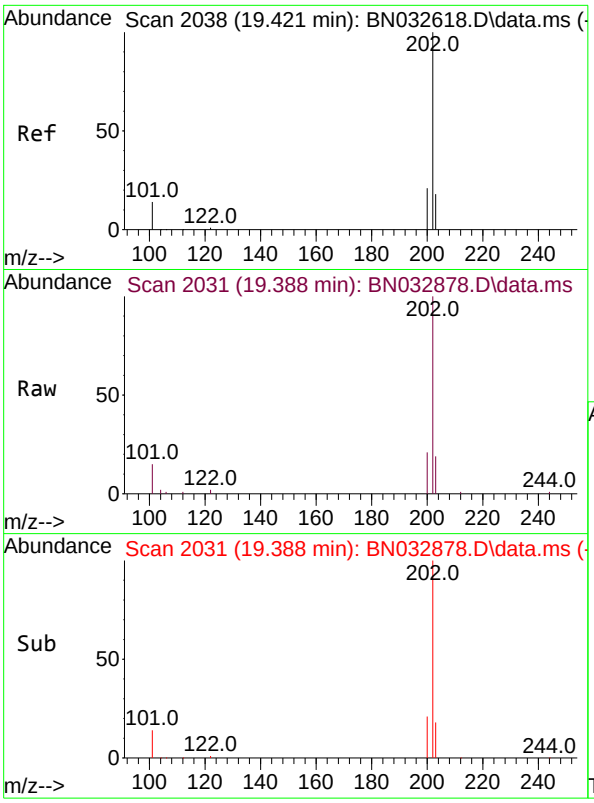


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.157 min Scan# 2396
Delta R.T. -0.009 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:240 Resp: 11265

Ion	Ratio	Lower	Upper
240	100		
120	21.2	14.8	22.2
236	29.3	23.3	34.9



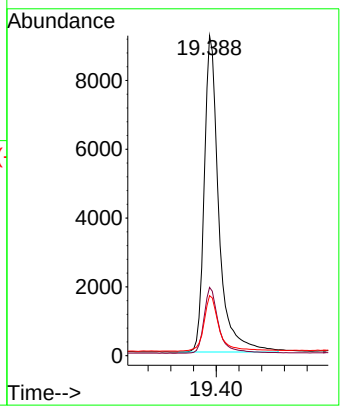


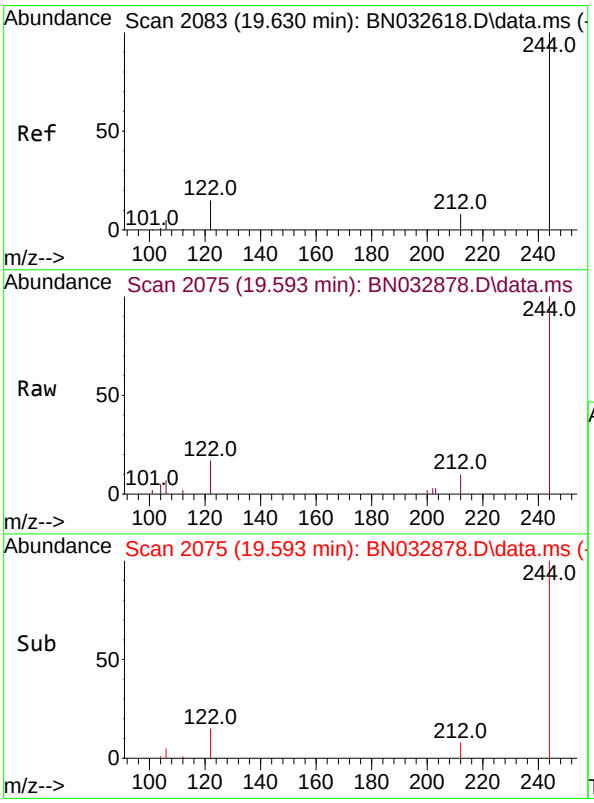
#30
Pyrene
Concen: 0.355 ng
RT: 19.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:202 Resp: 16355

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	18.7	14.8	22.2

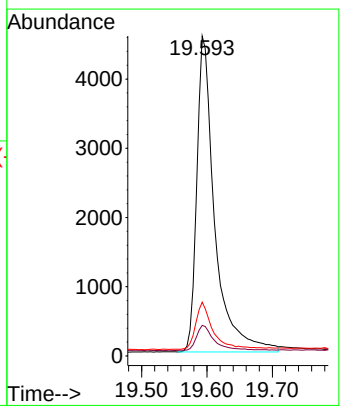


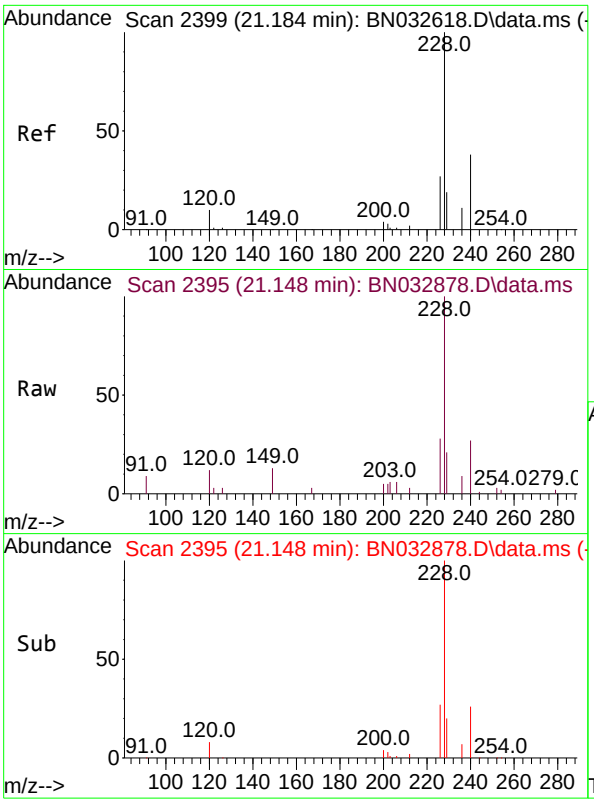


#31
Terphenyl-d14
Concen: 0.377 ng
RT: 19.593 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:244 Resp: 8714

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.5	11.3
122	16.8	12.6	19.0



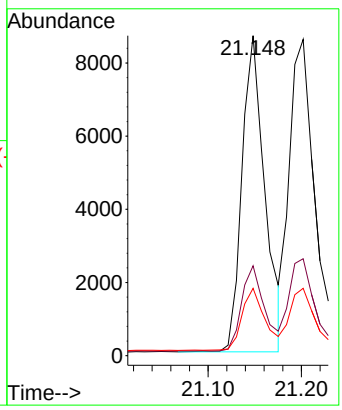


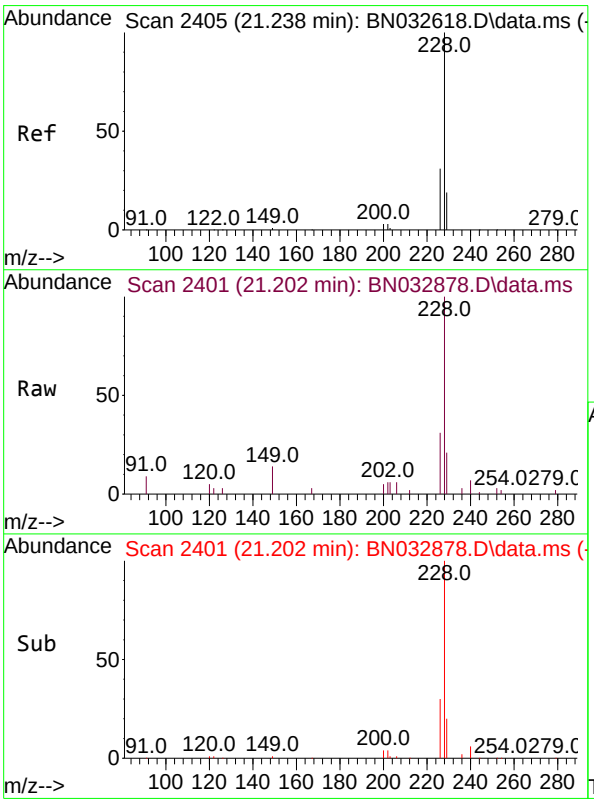
#32
Benzo(a)anthracene
Concen: 0.414 ng
RT: 21.148 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:228 Resp: 14729

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.6
229	21.1	16.0	24.0

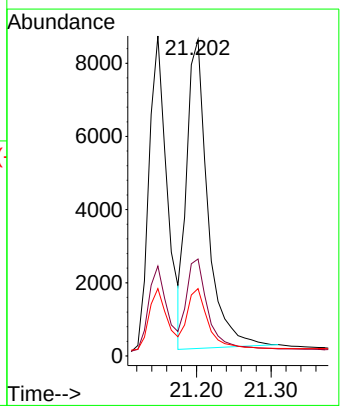


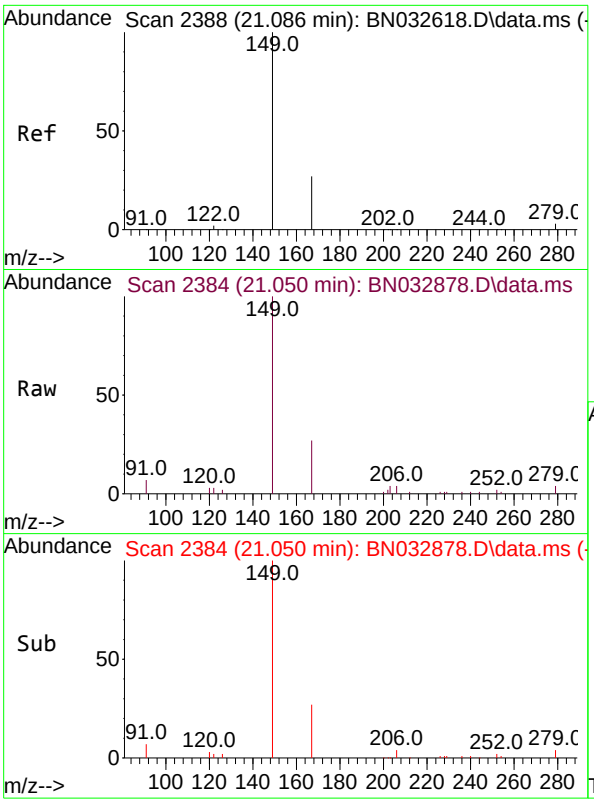


#33
Chrysene
Concen: 0.391 ng
RT: 21.202 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:228 Resp: 16554

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	21.3	16.0	24.0



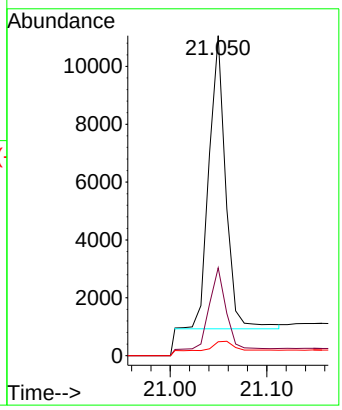


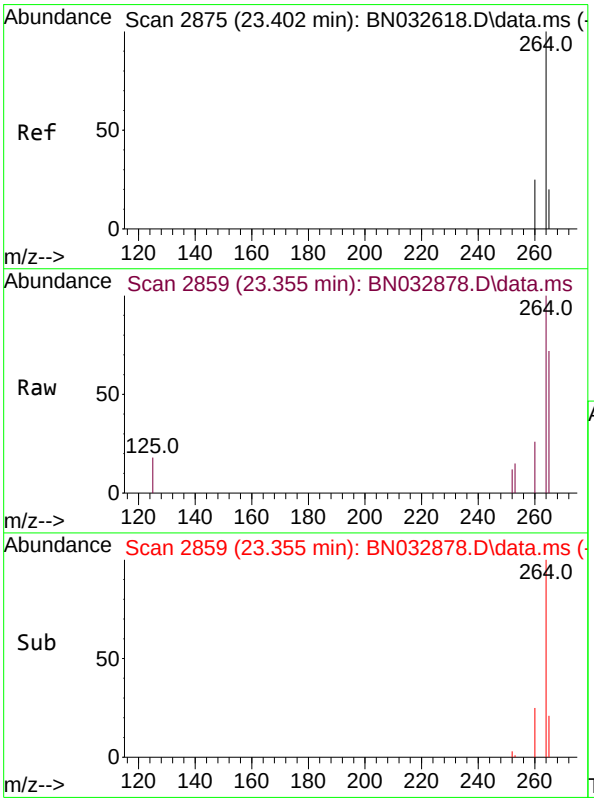
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.617 ng m
RT: 21.050 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:149 Resp: 12168

Ion	Ratio	Lower	Upper
149	100		
167	36.0	21.4	32.2#
279	13.1	2.8	4.2#

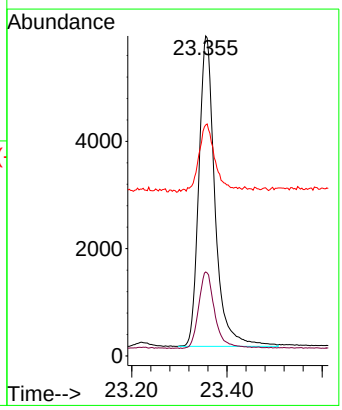


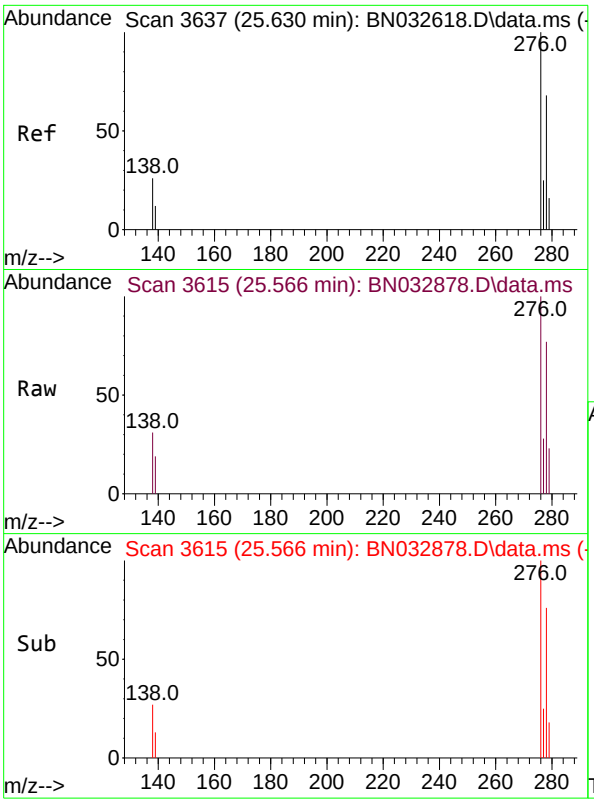


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.355 min Scan# 2859
Delta R.T. -0.003 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:264 Resp: 13591

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.9	31.3
265	72.2	85.4	128.2#



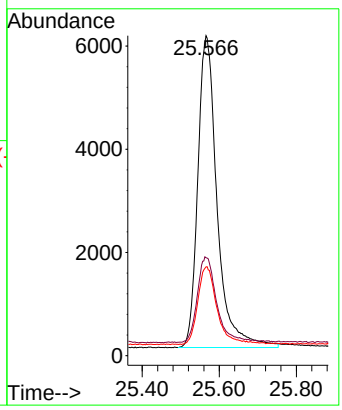


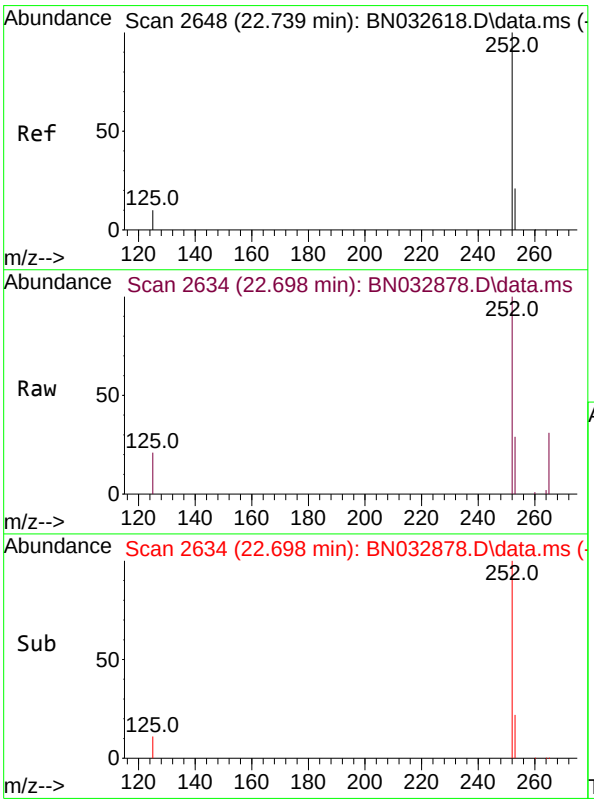
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.393 ng
RT: 25.566 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:276 Resp: 21028

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.0	31.4
277	24.6	19.5	29.3

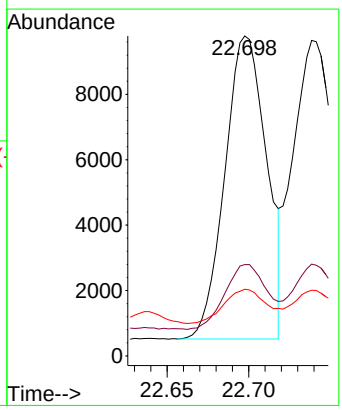


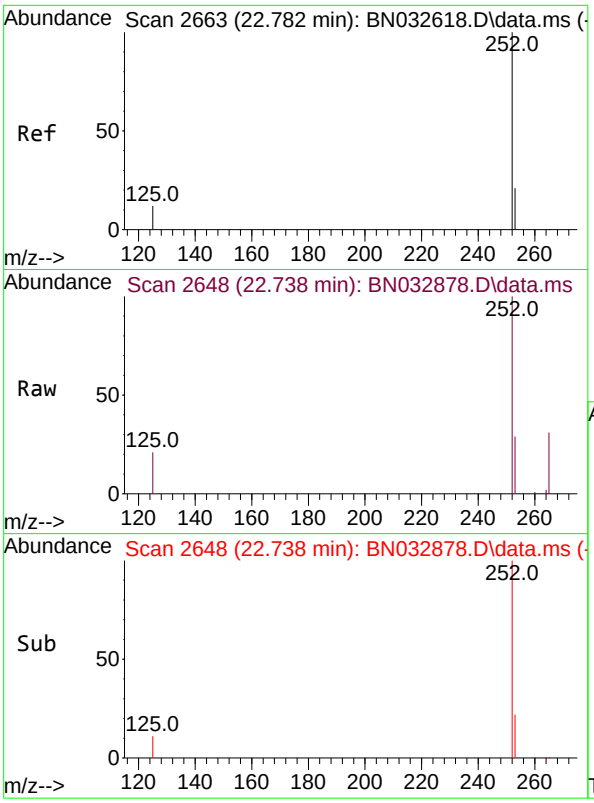


#37
Benzo(b)fluoranthene
Concen: 0.347 ng
RT: 22.698 min Scan# 2634
Delta R.T. -0.003 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:252 Resp: 16420

Ion	Ratio	Lower	Upper
252	100		
253	28.5	22.3	33.5
125	20.8	15.4	23.2



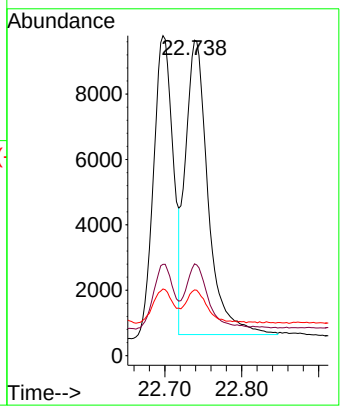


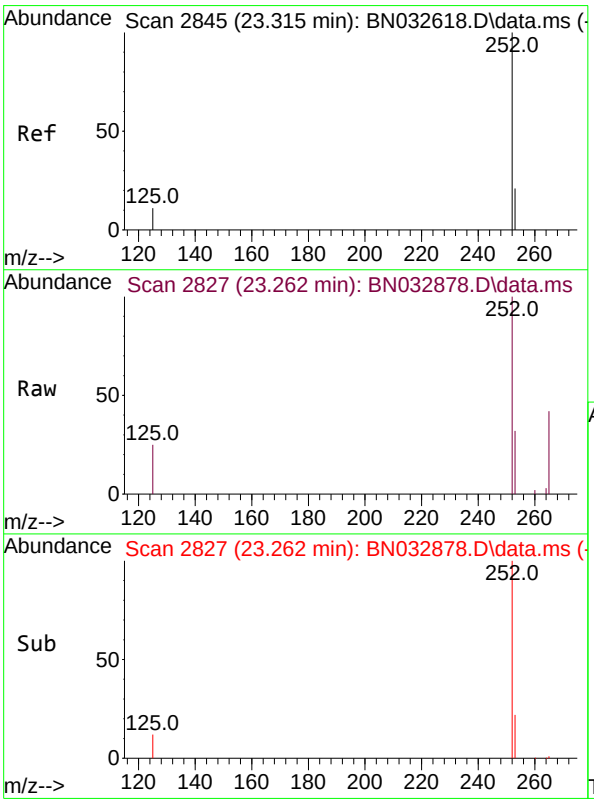
#38
Benzo(k)fluoranthene
Concen: 0.340 ng m
RT: 22.738 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:252 Resp: 18416

Ion	Ratio	Lower	Upper
252	100		
253	29.1	22.6	34.0
125	20.9	16.2	24.4

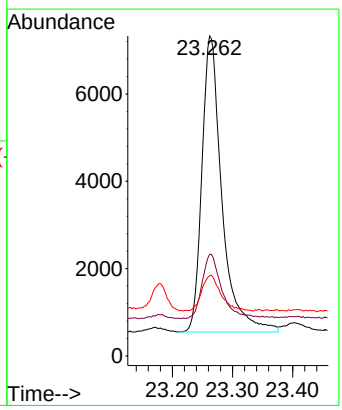


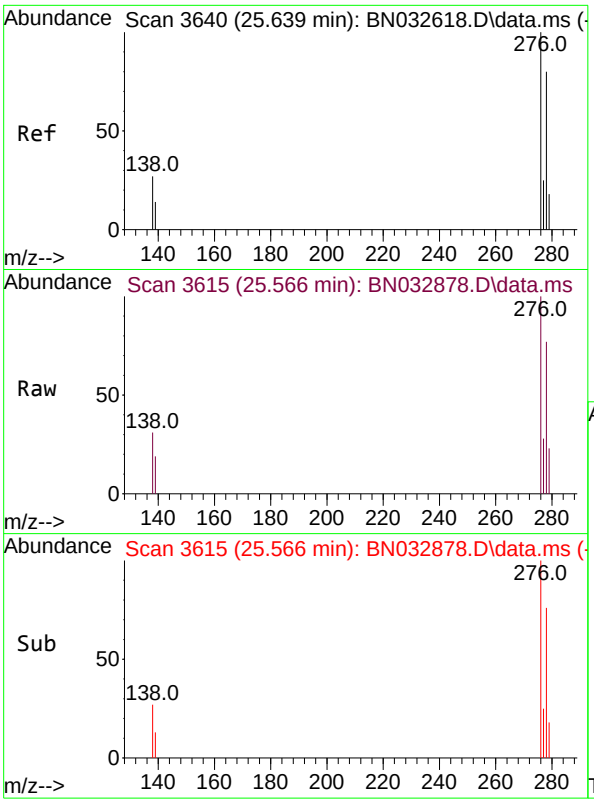


#39
Benzo(a)pyrene
Concen: 0.368 ng
RT: 23.262 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:252 Resp: 15692

Ion	Ratio	Lower	Upper
252	100		
253	31.7	25.8	38.8
125	25.1	21.4	32.2



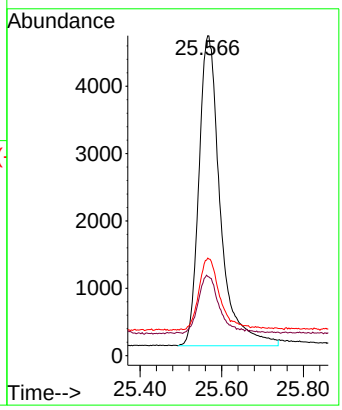


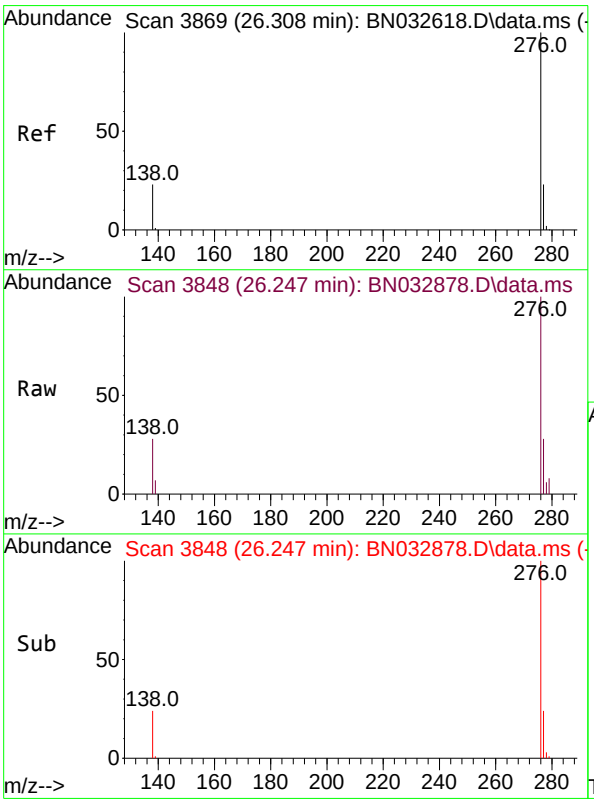
#40
Dibenzo(a,h)anthracene
Concen: 0.396 ng
RT: 25.566 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Instrument :
BNA_N
ClientSampleId :
PB162139BSD

Tgt Ion:278 Resp: 16769

Ion	Ratio	Lower	Upper
278	100		
139	24.8	16.7	25.1
279	30.5	24.3	36.5





#41
Benzo(g,h,i)perylene
Concen: 0.381 ng
RT: 26.247 min Scan# 3848
Delta R.T. -0.003 min
Lab File: BN032878.D
Acq: 20 Jul 2024 15:58

Tgt Ion:276 Resp: 17843

Ion	Ratio	Lower	Upper
276	100		
277	27.6	20.2	30.2
138	28.2	20.5	30.7