Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072024\
Data File : BN032877.D
Acq On : 20 Jul 2024 15:22
Operator : MA/JU
Sample : PB162139BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Quant Time: Jul 22 00:42:48 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

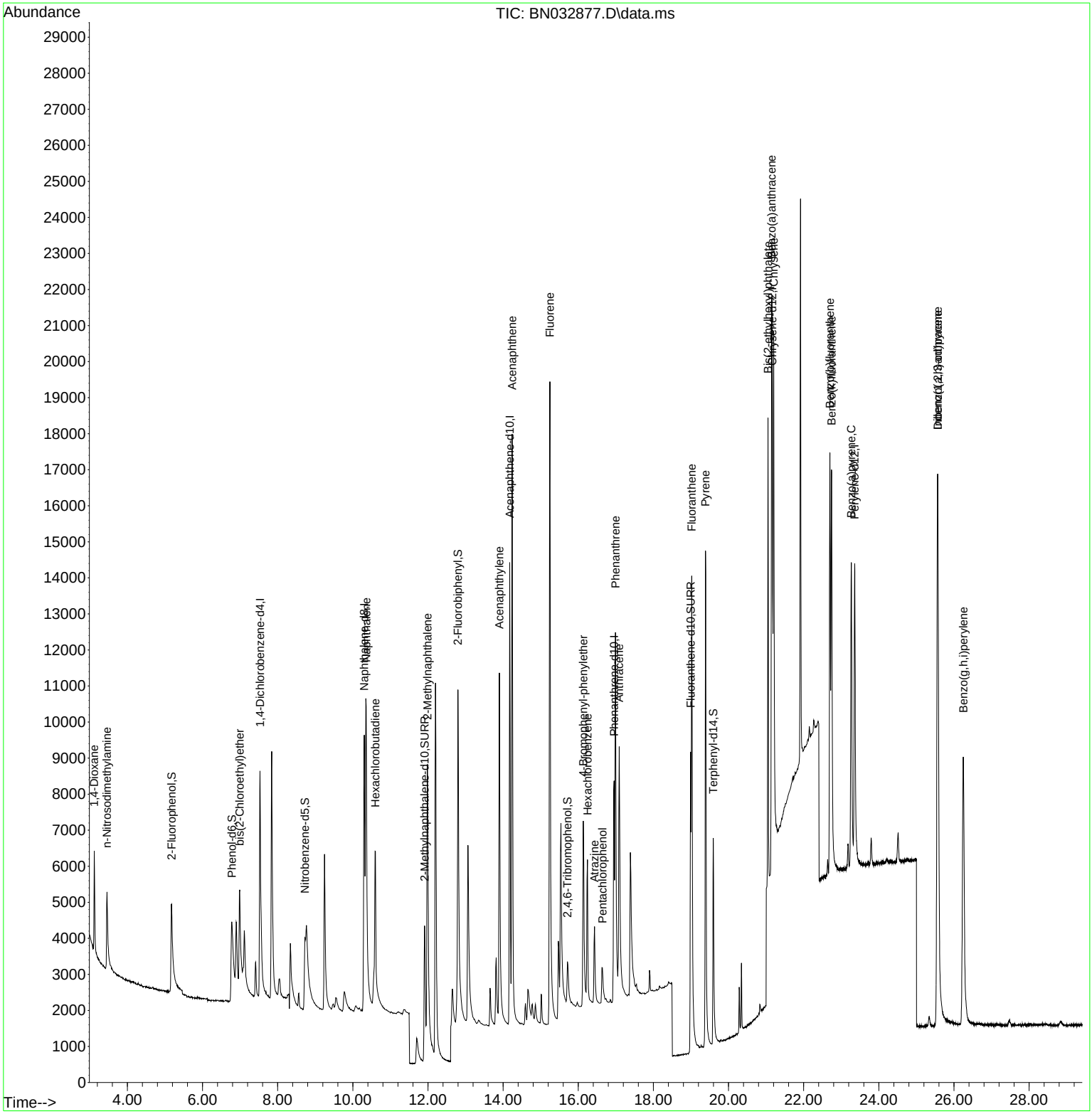
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.530	152	4569	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	15725	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	8472	0.400	ng	0.00
19) Phenanthrene-d10	16.954	188	13032	0.400	ng	0.00
29) Chrysene-d12	21.166	240	10747	0.400	ng	0.00
35) Perylene-d12	23.358	264	12947	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.176	112	5023	0.435	ng	0.00
5) Phenol-d6	6.779	99	6607	0.461	ng	0.00
8) Nitrobenzene-d5	8.723	82	4821	0.407	ng	-0.01
11) 2-Methylnaphthalene-d10	11.911	152	9301	0.387	ng	0.00
14) 2,4,6-Tribromophenol	15.713	330	1110	0.307	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	13037	0.413	ng	-0.01
27) Fluoranthene-d10	18.993	212	12402	0.368	ng	0.00
31) Terphenyl-d14	19.593	244	8553	0.388	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.118	88	1964	0.347	ng	# 91
3) n-Nitrosodimethylamine	3.457	42	1881	0.393	ng	# 98
6) bis(2-Chloroethyl)ether	6.989	93	5200	0.433	ng	95
9) Naphthalene	10.357	128	16999	0.390	ng	99
10) Hexachlorobutadiene	10.603	225	3385	0.407	ng	# 100
12) 2-Methylnaphthalene	11.986	142	10409	0.366	ng	99
16) Acenaphthylene	13.900	152	13799	0.400	ng	100
17) Acenaphthene	14.242	154	9361	0.383	ng	98
18) Fluorene	15.247	166	10870	0.333	ng	99
21) 4-Bromophenyl-phenylether	16.135	248	3240m	0.423	ng	
22) Hexachlorobenzene	16.247	284	3666	0.428	ng	99
23) Atrazine	16.433	200	2554	0.453	ng	96
24) Pentachlorophenol	16.644	266	1052	0.330	ng	99
25) Phenanthrene	16.991	178	13084	0.367	ng	99
26) Anthracene	17.091	178	10866	0.371	ng	100
28) Fluoranthene	19.021	202	15308	0.355	ng	99
30) Pyrene	19.388	202	15824	0.360	ng	100
32) Benzo(a)anthracene	21.148	228	13816	0.407	ng	97
33) Chrysene	21.202	228	15960	0.395	ng	98
34) Bis(2-ethylhexyl)phtha...	21.050	149	11738m	0.624	ng	
36) Indeno(1,2,3-cd)pyrene	25.569	276	19849	0.389	ng	99
37) Benzo(b)fluoranthene	22.698	252	15988	0.355	ng	97
38) Benzo(k)fluoranthene	22.741	252	17433	0.338	ng	97
39) Benzo(a)pyrene	23.268	252	15053	0.370	ng	99
40) Dibenzo(a,h)anthracene	25.569	278	15947	0.396	ng	96
41) Benzo(g,h,i)perylene	26.250	276	16974	0.380	ng	96

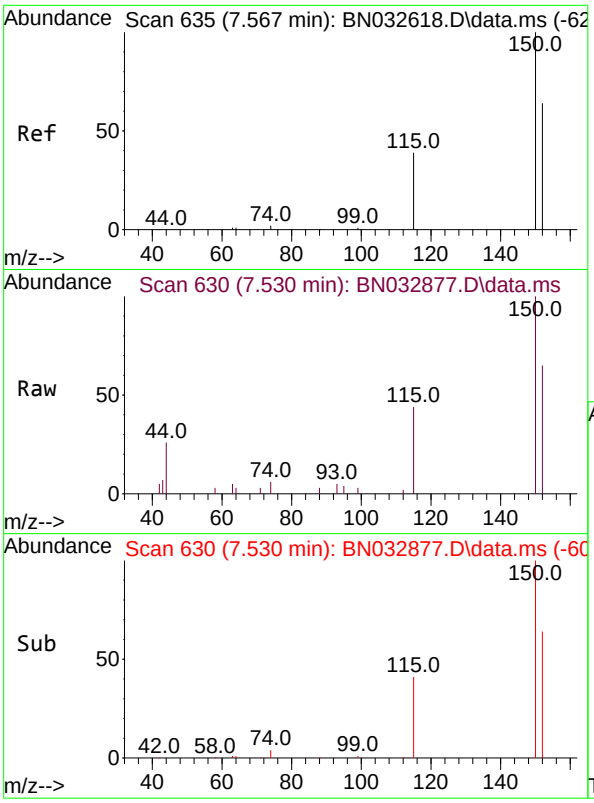
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072024\
Data File : BN032877.D
Acq On : 20 Jul 2024 15:22
Operator : MA/JU
Sample : PB162139BS
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Quant Time: Jul 22 00:42:48 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



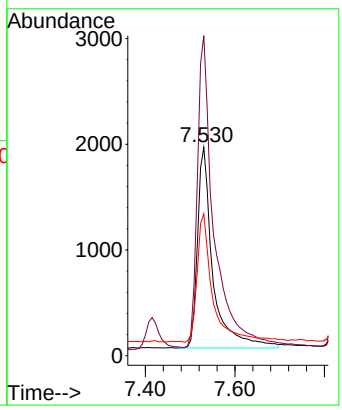


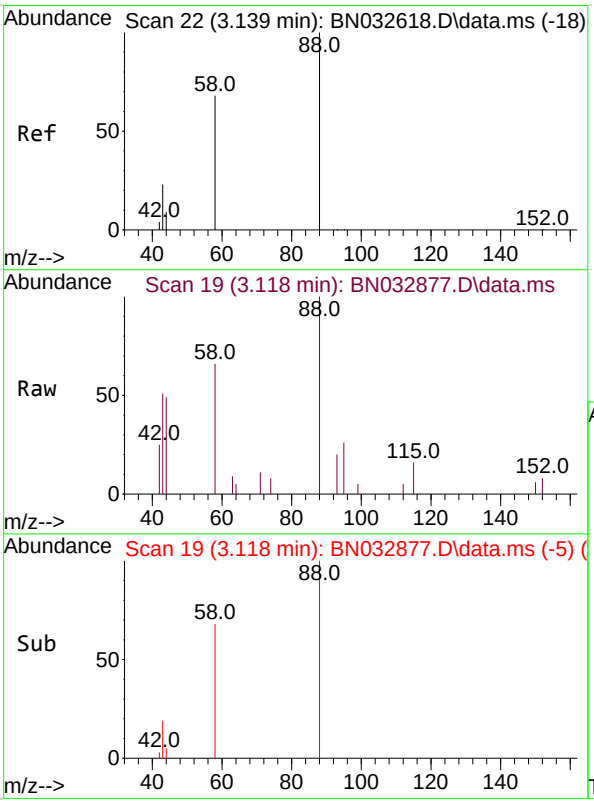
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.530 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:152 Resp: 4569

Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.8	185.6
115	68.1	52.8	79.2

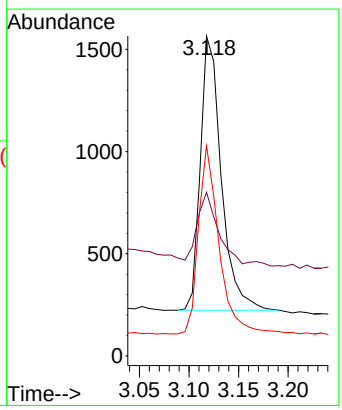


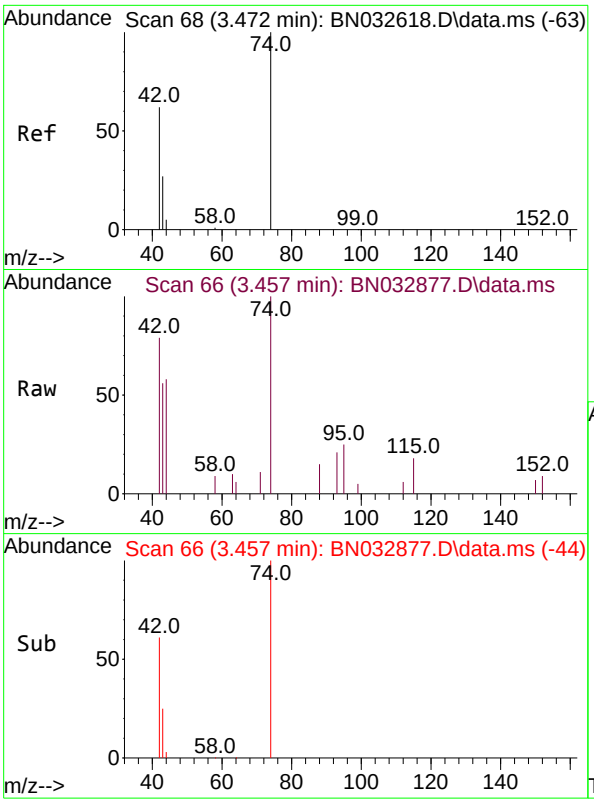


#2
1,4-Dioxane
Concen: 0.347 ng
RT: 3.118 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion: 88 Resp: 1964

Ion	Ratio	Lower	Upper
88	100		
43	28.4	18.4	27.6#
58	67.6	49.2	73.8



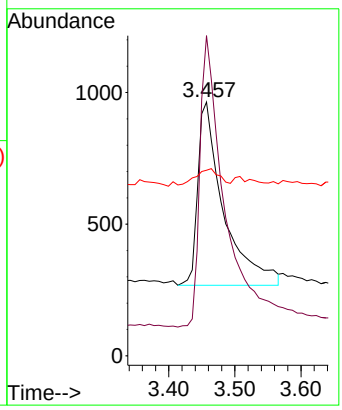


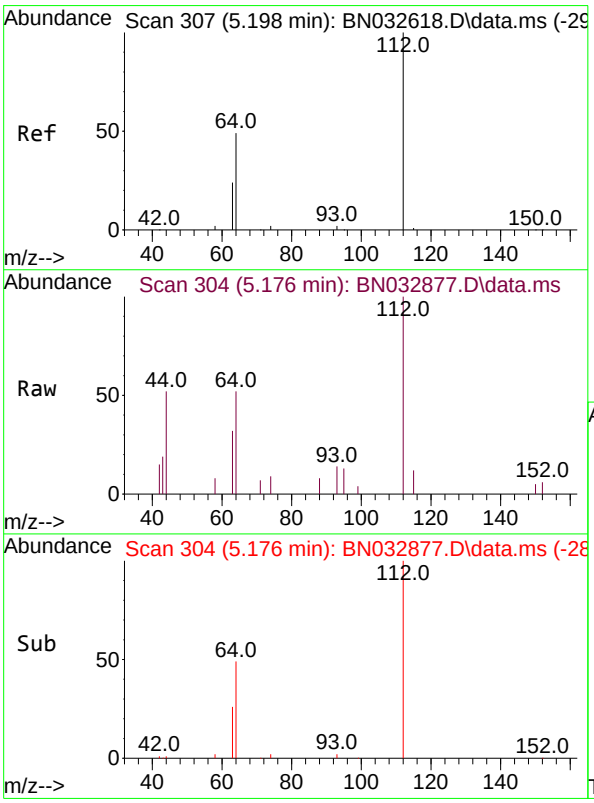
#3
n-Nitrosodimethylamine
Concen: 0.393 ng
RT: 3.457 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion: 42 Resp: 1881

Ion	Ratio	Lower	Upper
42	100		
74	156.2	126.9	190.3
44	7.7	4.8	7.2#

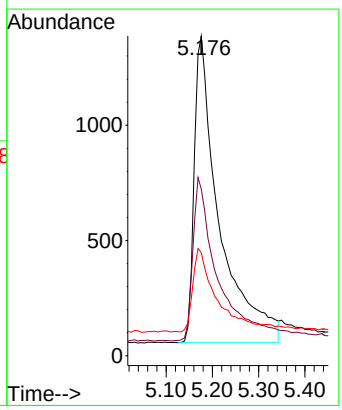


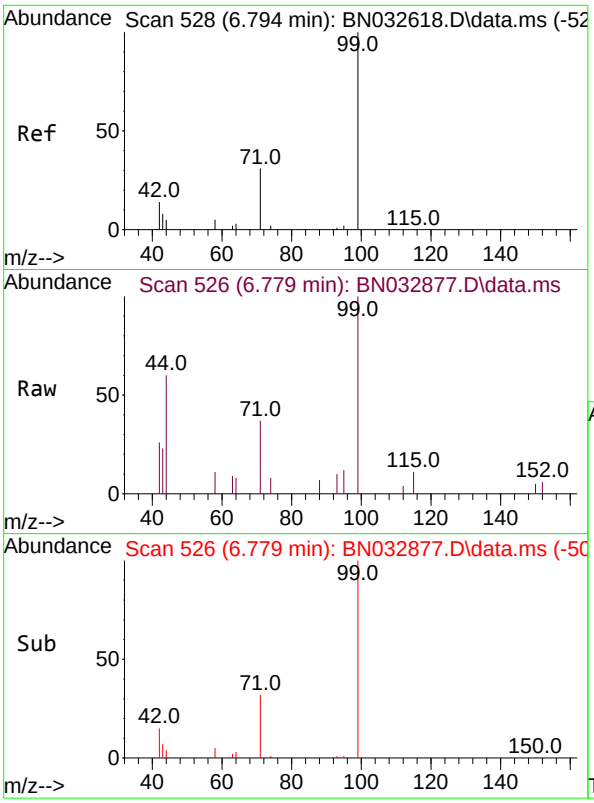


#4
2-Fluorophenol
Concen: 0.435 ng
RT: 5.176 min Scan# 304
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:112 Resp: 5023

Ion	Ratio	Lower	Upper
112	100		
64	53.3	40.2	60.4
63	26.6	22.2	33.4



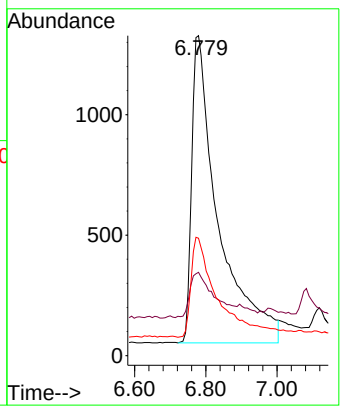


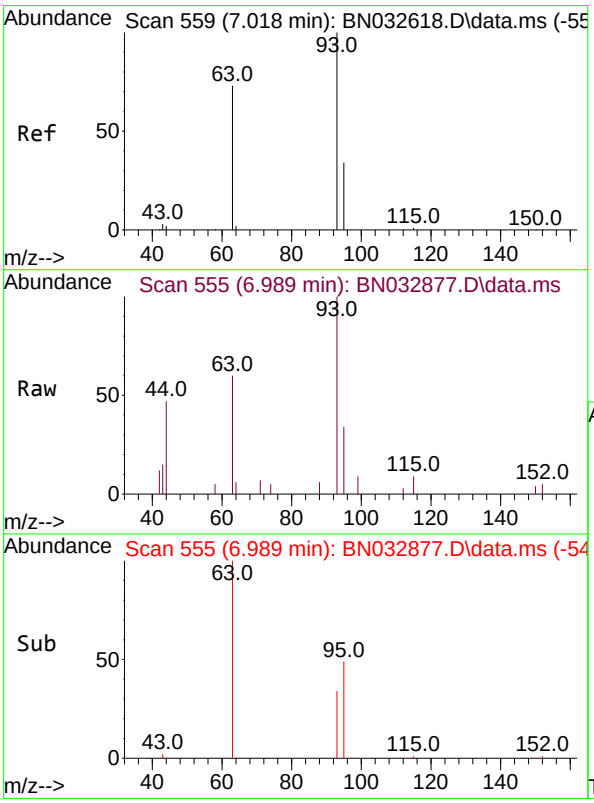
#5
Phenol-d6
Concen: 0.461 ng
RT: 6.779 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion: 99 Resp: 6607

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.5	15.7
71	32.7	22.3	33.5

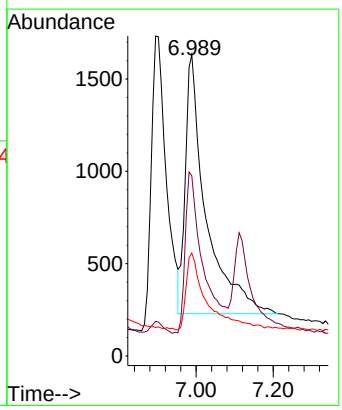


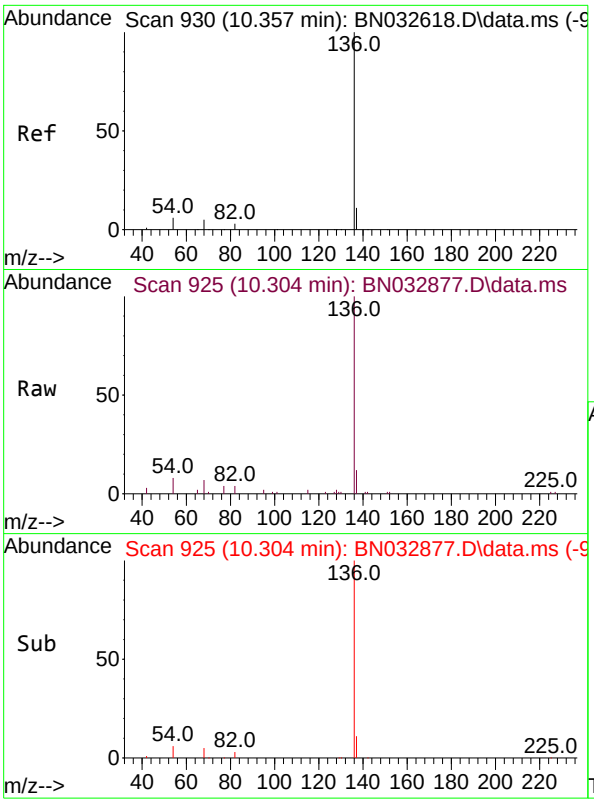


#6
bis(2-Chloroethyl)ether
Concen: 0.433 ng
RT: 6.989 min Scan# 555
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion: 93 Resp: 5200

Ion	Ratio	Lower	Upper
93	100		
63	53.7	46.4	69.6
95	30.2	25.5	38.3



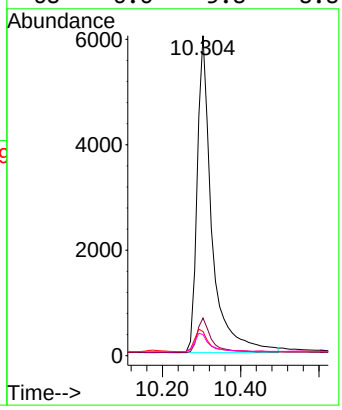


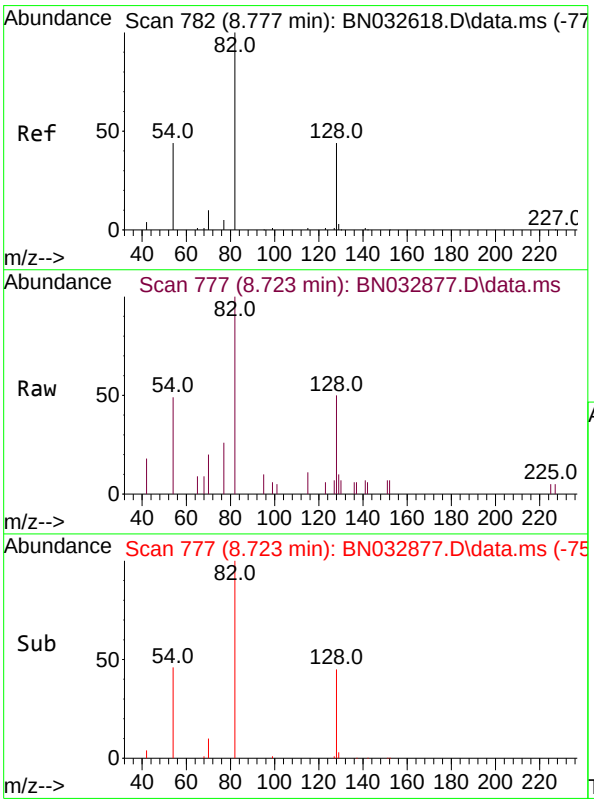
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:136 Resp: 15725

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.9	14.9
54	7.5	6.5	9.7
68	6.6	5.8	8.8

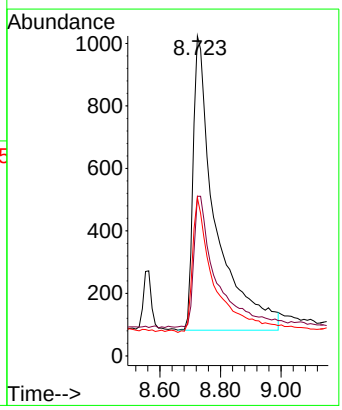


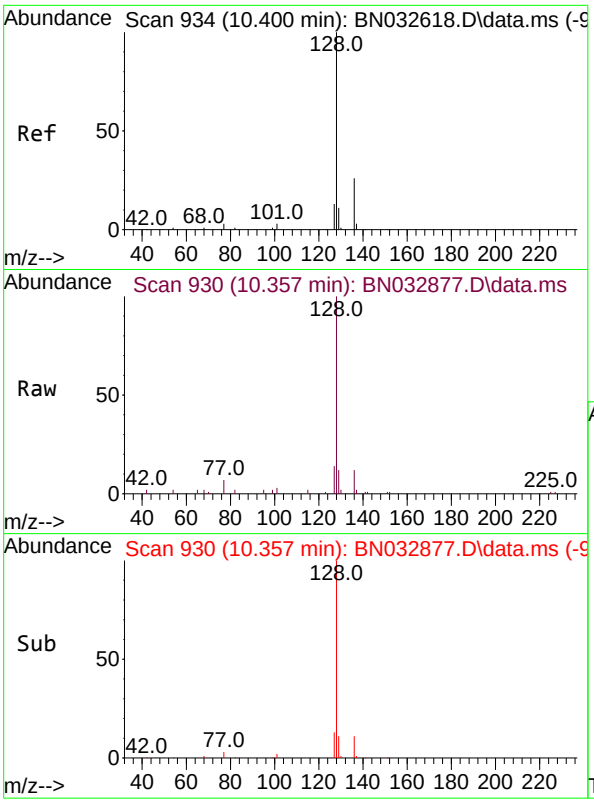


#8
Nitrobenzene-d5
Concen: 0.407 ng
RT: 8.723 min Scan# 777
Delta R.T. -0.011 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion: 82 Resp: 4821

Ion	Ratio	Lower	Upper
82	100		
128	49.9	41.7	62.5
54	49.4	39.5	59.3



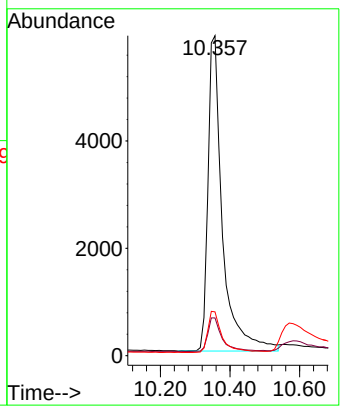


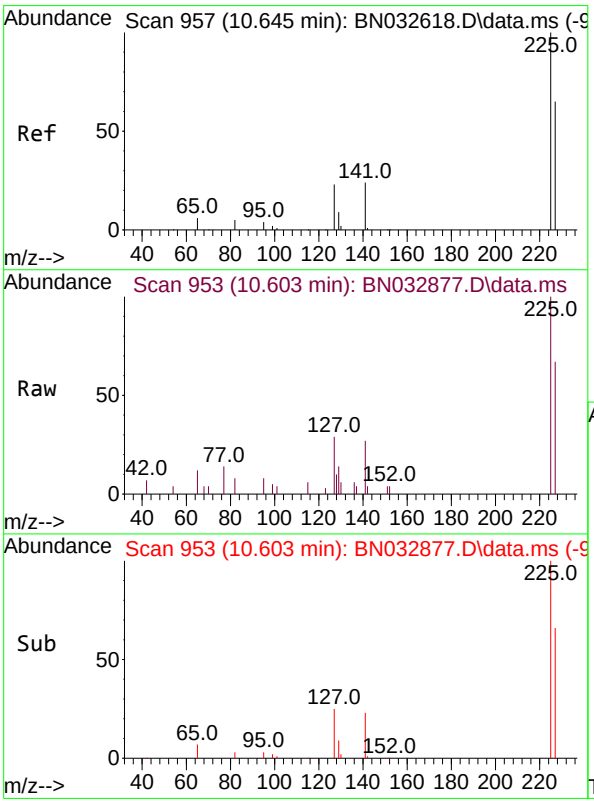
#9
Naphthalene
Concen: 0.390 ng
RT: 10.357 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:128 Resp: 16999

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.8	14.8
127	13.7	11.5	17.3

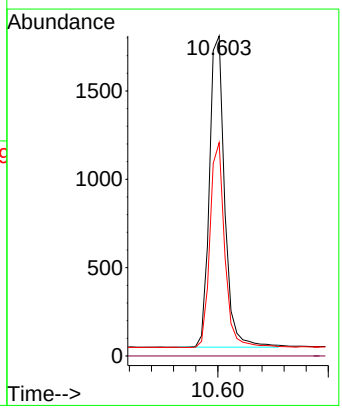


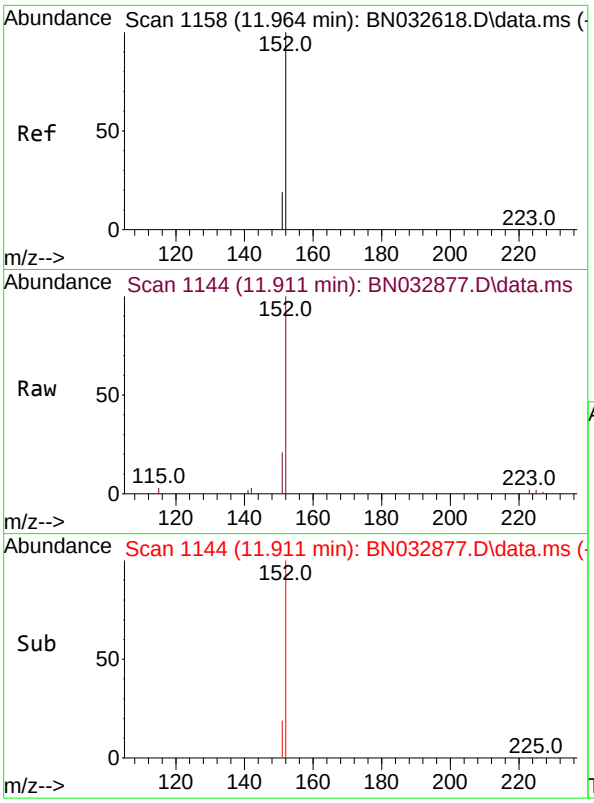


#10
Hexachlorobutadiene
Concen: 0.407 ng
RT: 10.603 min Scan# 953
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:225 Resp: 3385

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.3	76.9



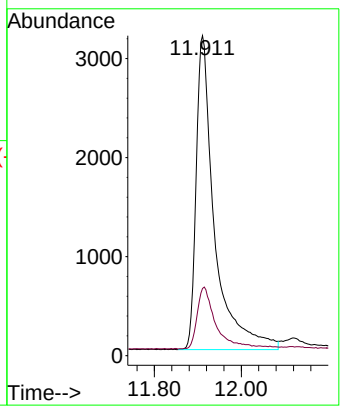


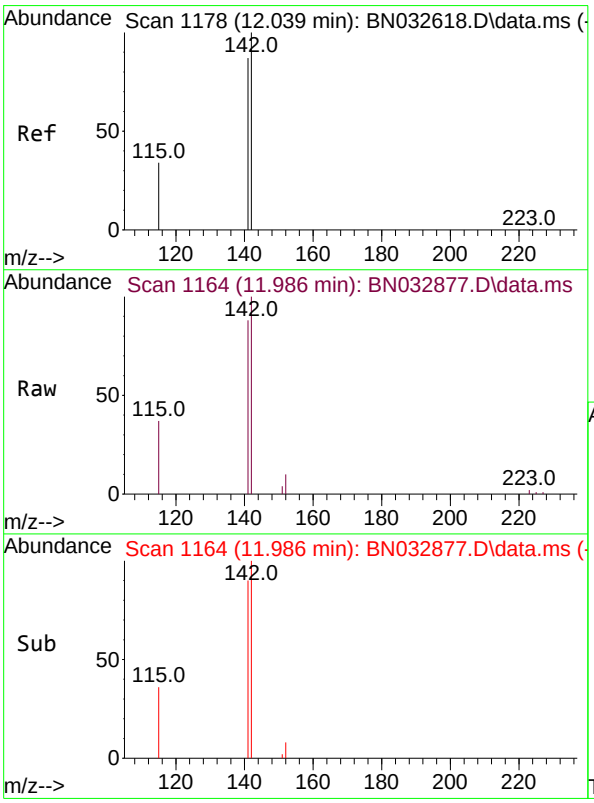
#11
2-Methylnaphthalene-d10
Concen: 0.387 ng
RT: 11.911 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:152 Resp: 9301

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2

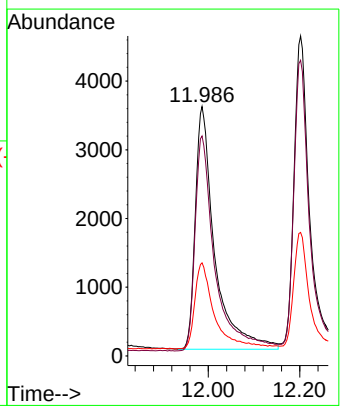


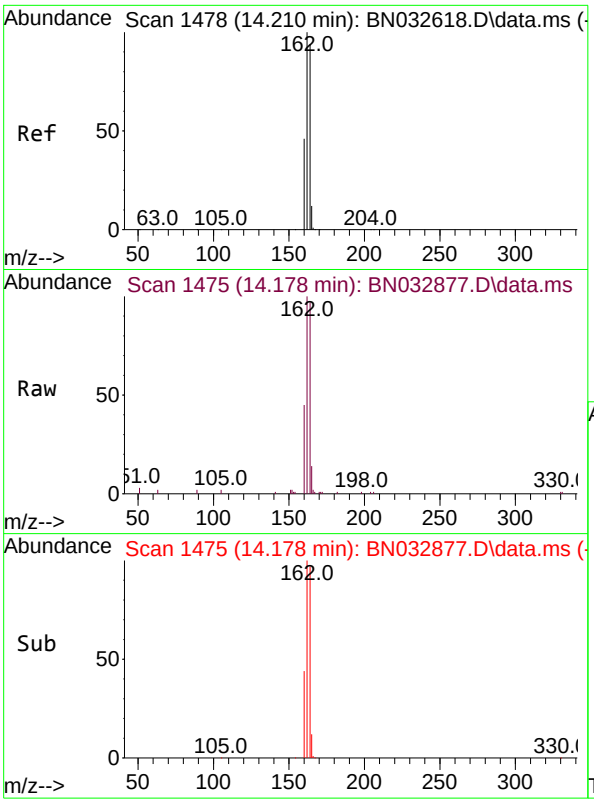


#12
2-Methylnaphthalene
Concen: 0.366 ng
RT: 11.986 min Scan# 1164
Delta R.T. -0.004 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:142 Resp: 10409

Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.3	103.9
115	37.3	29.5	44.3



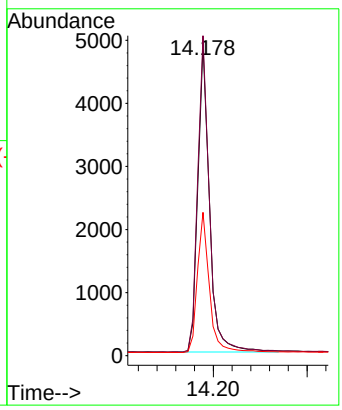


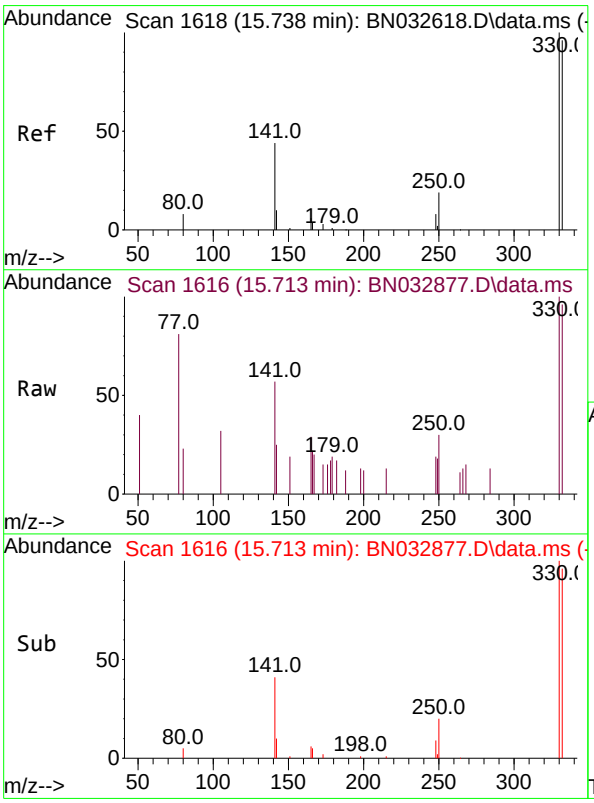
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:164 Resp: 8472

Ion	Ratio	Lower	Upper
164	100		
162	102.9	85.0	127.4
160	46.1	39.4	59.2

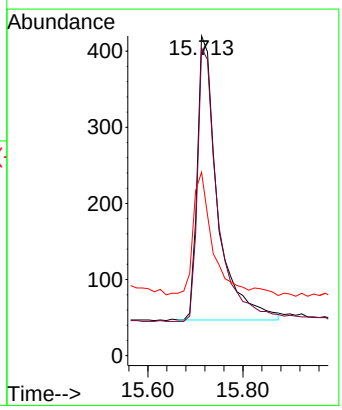


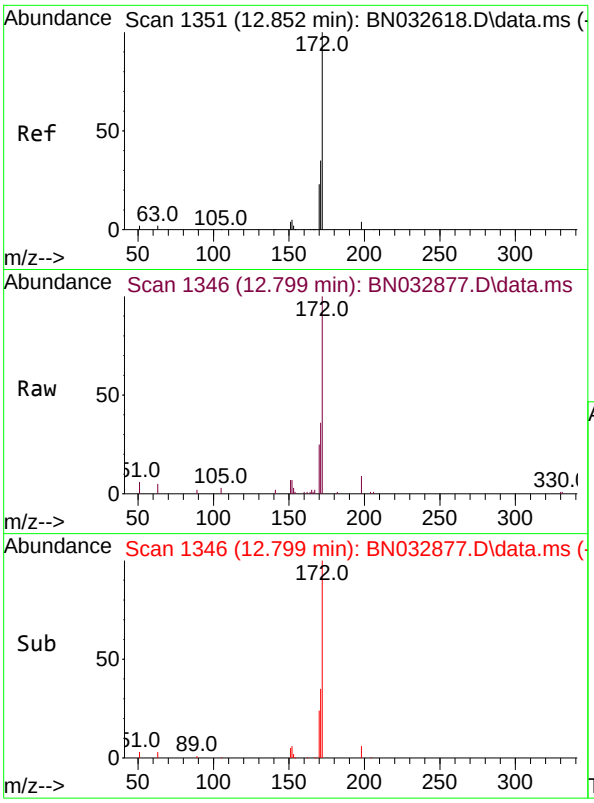


#14
2,4,6-Tribromophenol
Concen: 0.307 ng
RT: 15.713 min Scan# 1616
Delta R.T. -0.012 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:330 Resp: 1110

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.8
141	38.3	34.2	51.2



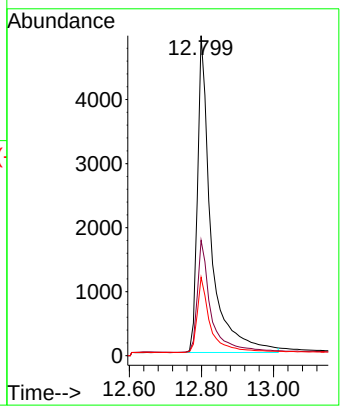


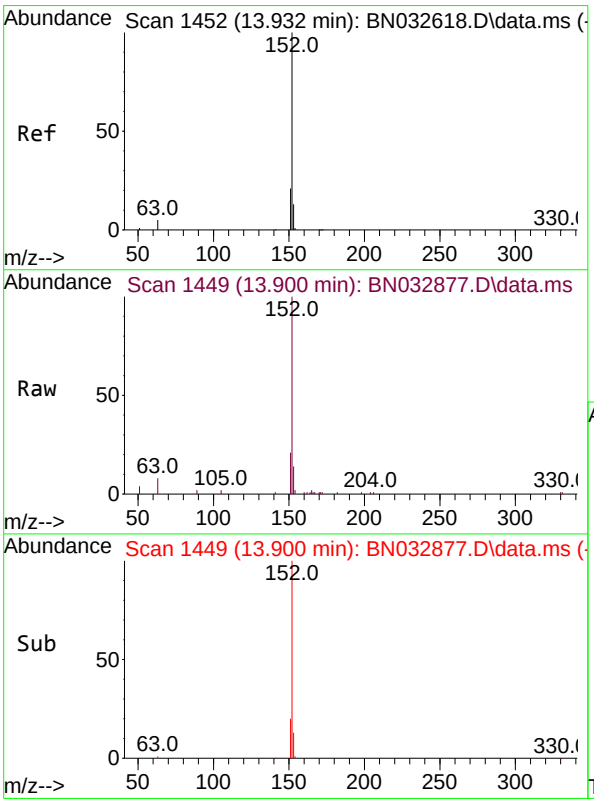
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.799 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:172 Resp: 13037

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.5	19.0	28.6

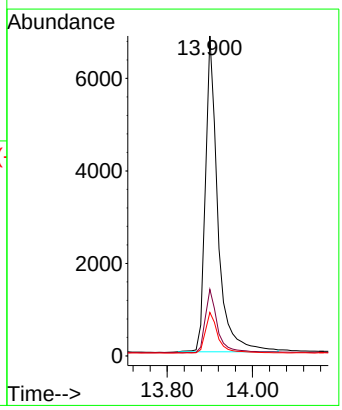


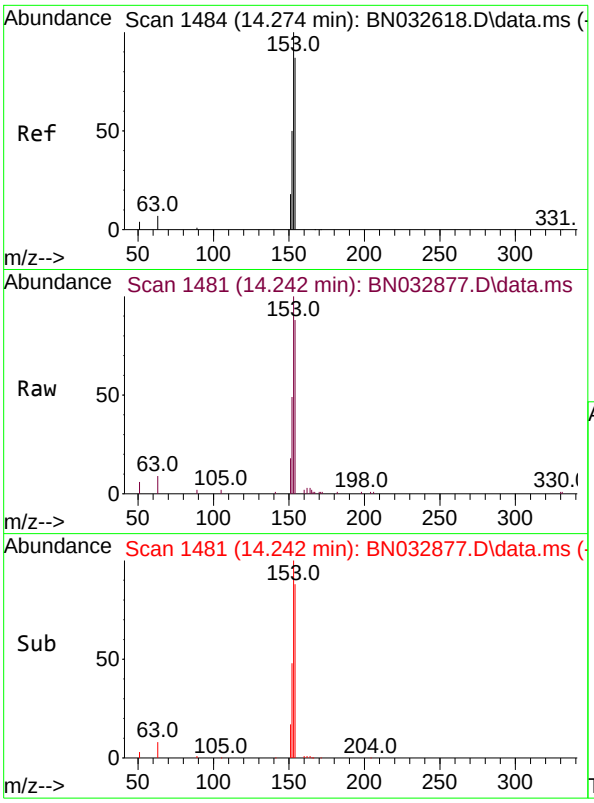


#16
Acenaphthylene
Concen: 0.400 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:152 Resp: 13799

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.1	10.6	15.8



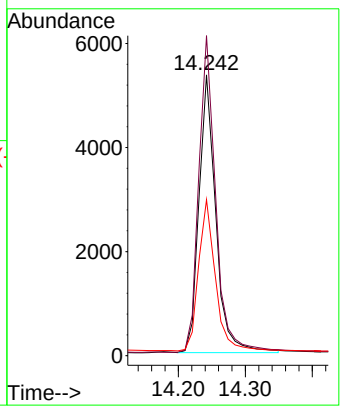


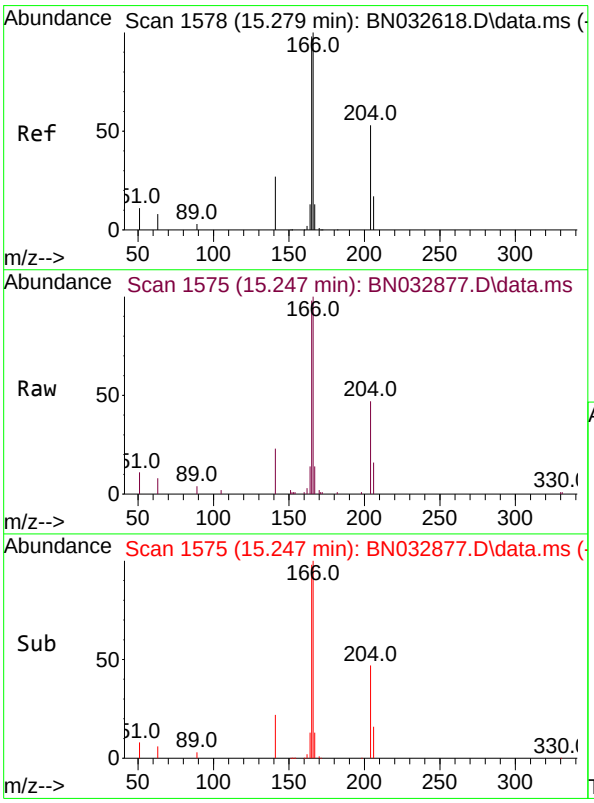
#17
Acenaphthene
Concen: 0.383 ng
RT: 14.242 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:154 Resp: 9361

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.8	137.8
152	53.8	45.2	67.8

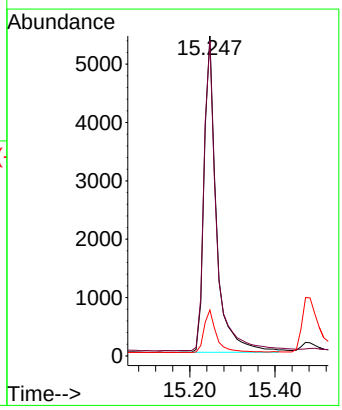


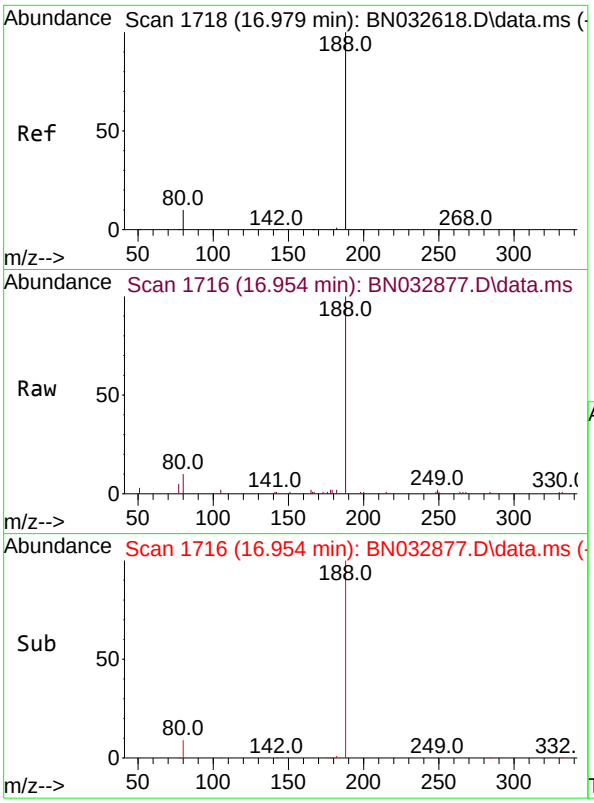


#18
Fluorene
Concen: 0.333 ng
RT: 15.247 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:166 Resp: 10870

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.0	117.0
167	13.6	10.7	16.1



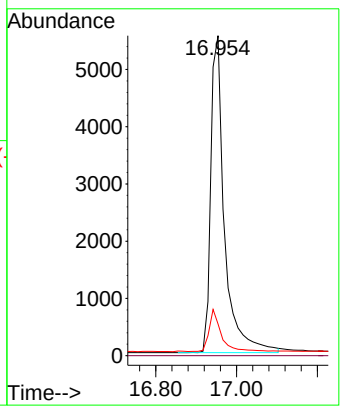


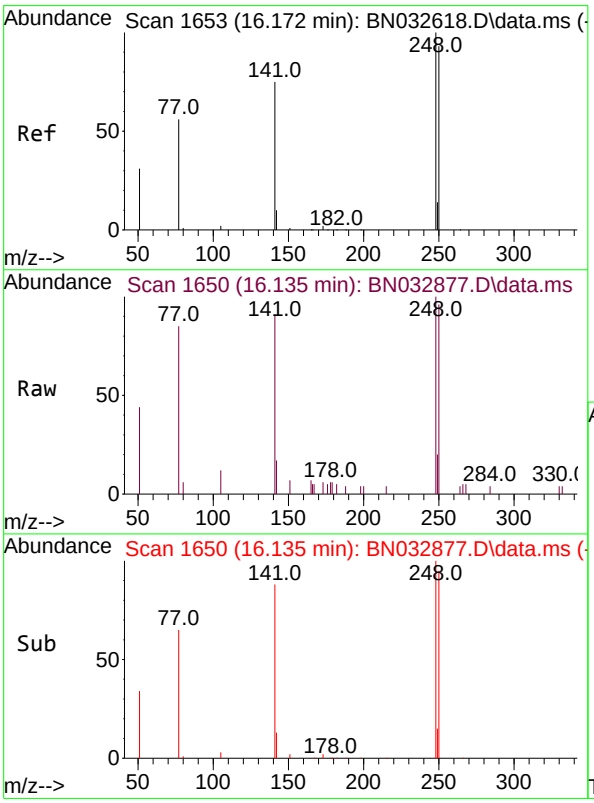
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.954 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:188 Resp: 13032

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	8.8	13.2

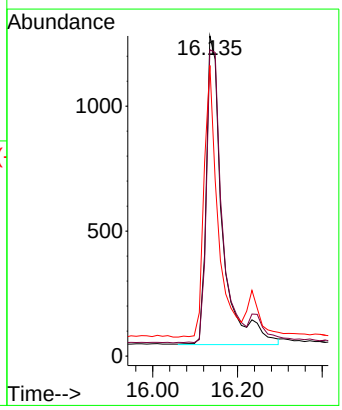


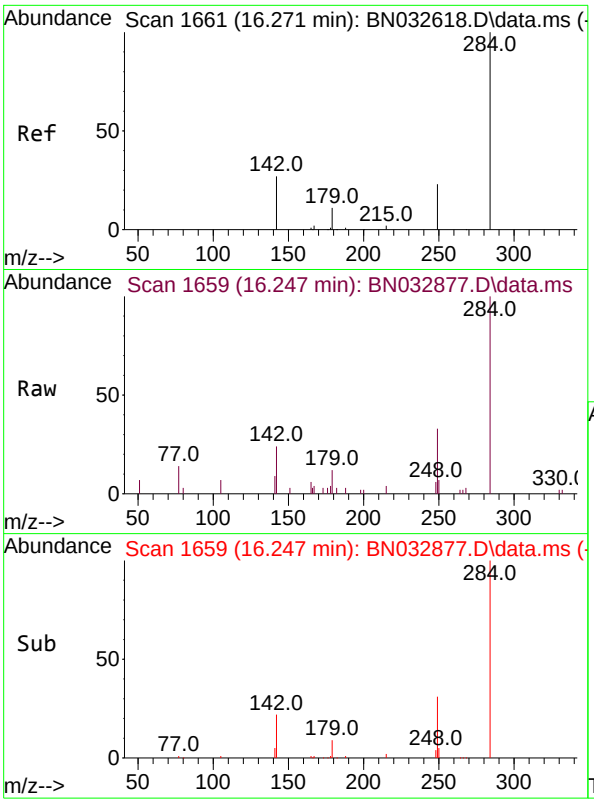


#21
4-Bromophenyl-phenylether
Concen: 0.423 ng m
RT: 16.135 min Scan# 1650
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:248 Resp: 3240

Ion	Ratio	Lower	Upper
248	100		
250	95.7	75.1	112.7
141	90.8	62.0	93.0



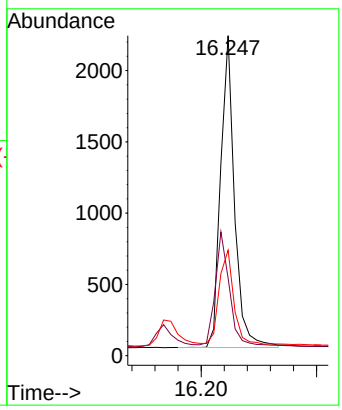


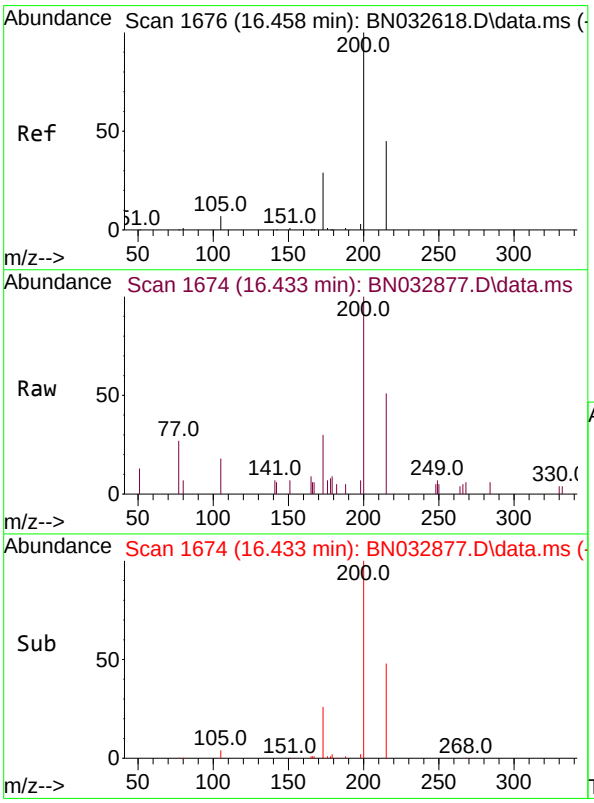
#22
Hexachlorobenzene
Concen: 0.428 ng
RT: 16.247 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:284 Resp: 3666

Ion	Ratio	Lower	Upper
284	100		
142	36.3	29.4	44.0
249	31.1	24.6	36.8

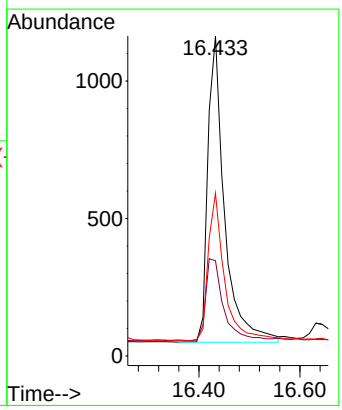


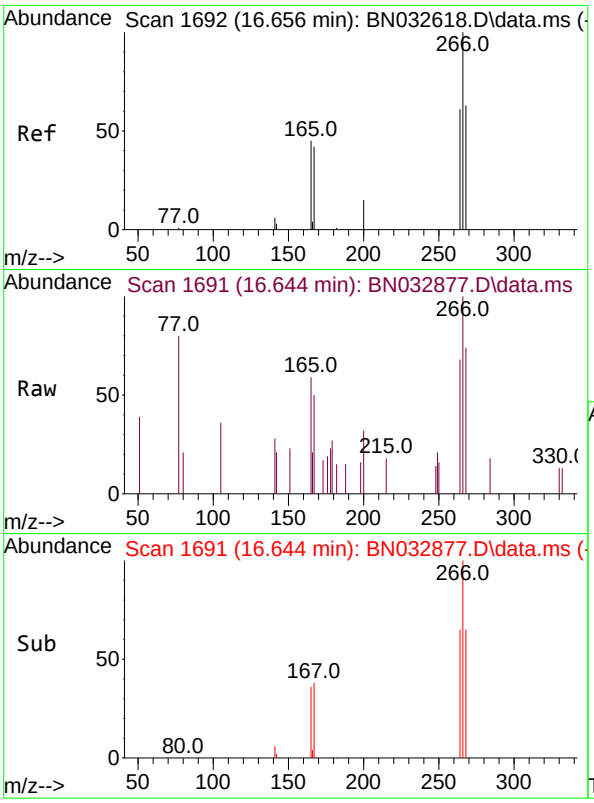


#23
Atrazine
Concen: 0.453 ng
RT: 16.433 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:200 Resp: 2554

Ion	Ratio	Lower	Upper
200	100		
173	29.7	25.4	38.2
215	50.9	38.2	57.2



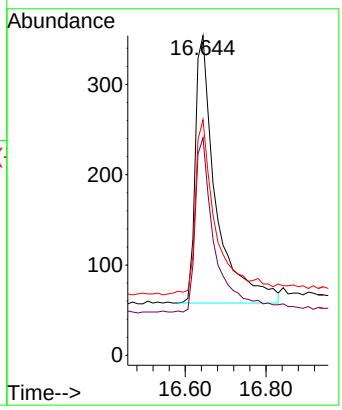


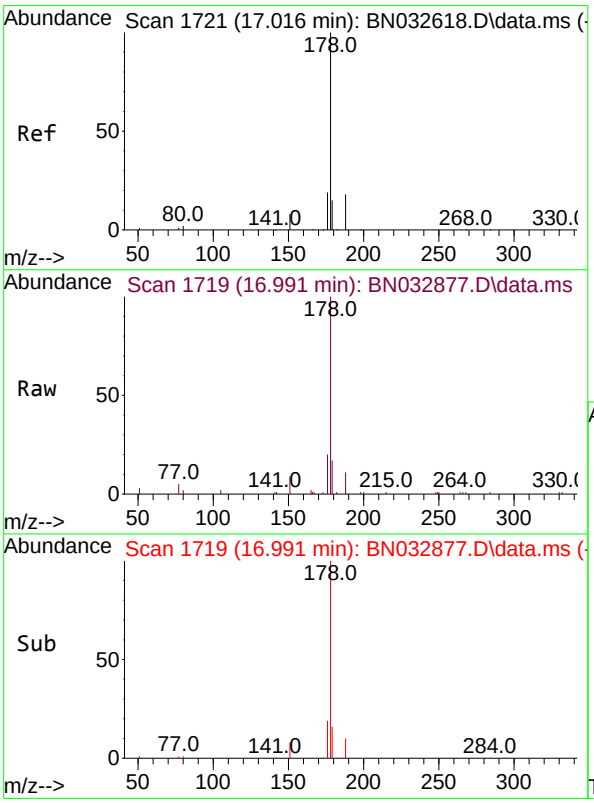
#24
Pentachlorophenol
Concen: 0.330 ng
RT: 16.644 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:266 Resp: 1052

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.2	75.2
268	66.4	52.8	79.2

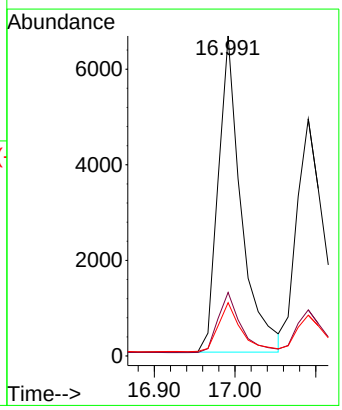


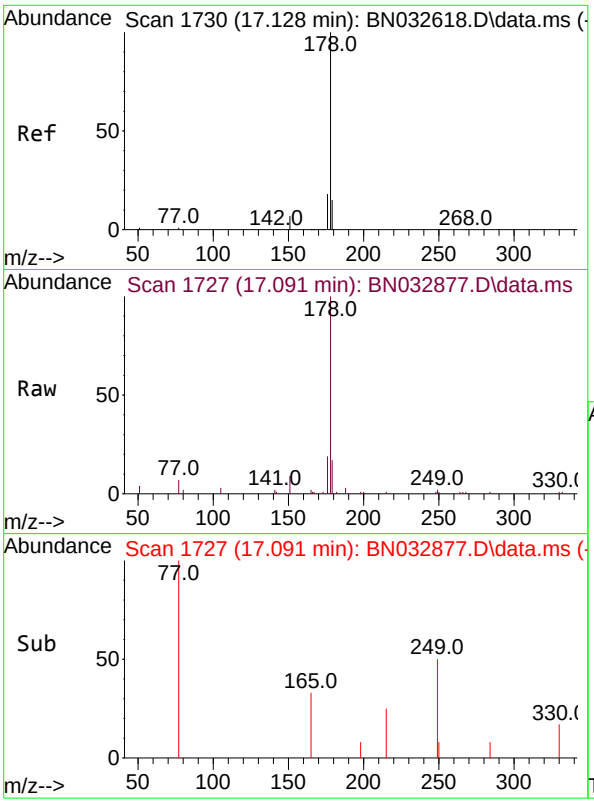


#25
Phenanthrene
Concen: 0.367 ng
RT: 16.991 min Scan# 1719
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:178 Resp: 13084

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.5	12.2	18.4



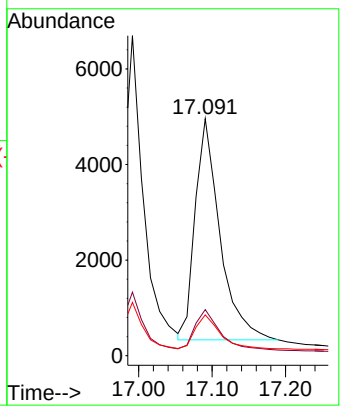


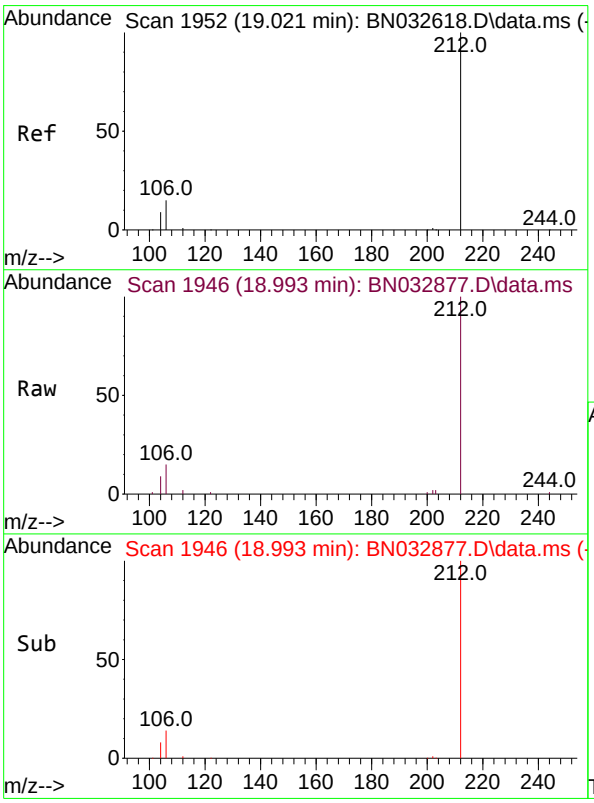
#26
Anthracene
Concen: 0.371 ng
RT: 17.091 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:178 Resp: 10866

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.0	11.8	17.8

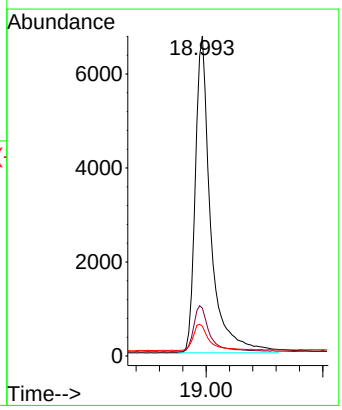


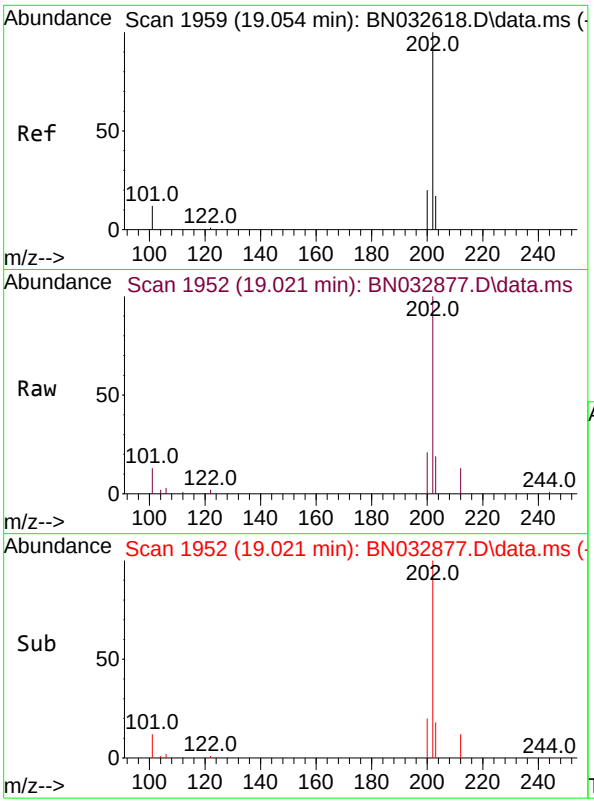


#27
Fluoranthene-d10
Concen: 0.368 ng
RT: 18.993 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:212 Resp: 12402

Ion	Ratio	Lower	Upper
212	100		
106	15.2	11.9	17.9
104	8.7	6.9	10.3



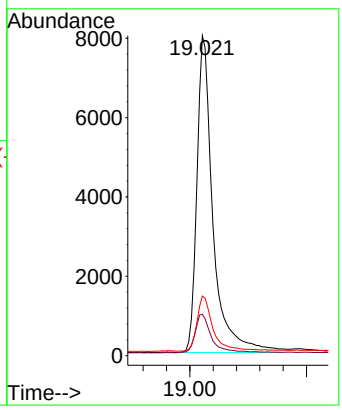


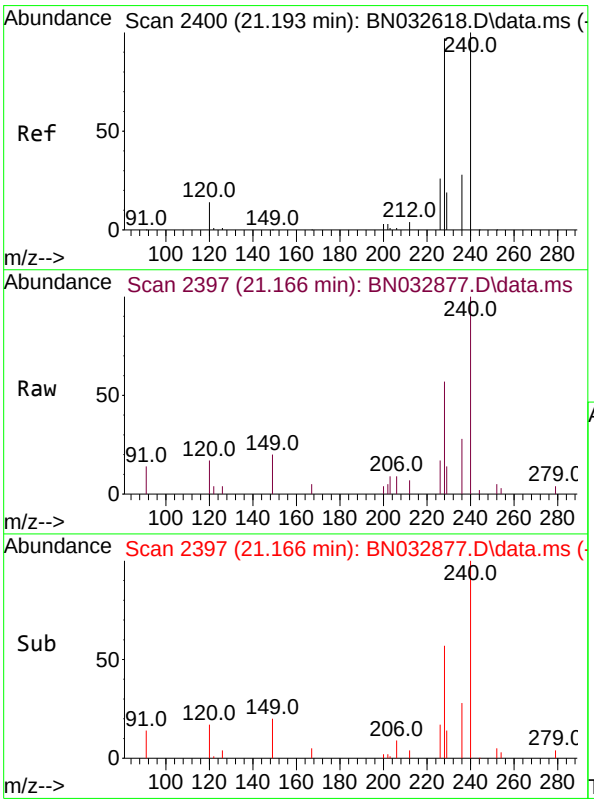
#28
Fluoranthene
Concen: 0.355 ng
RT: 19.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:202 Resp: 15308

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.6	14.4
203	17.5	13.8	20.6

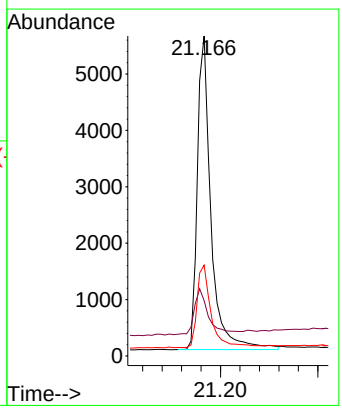


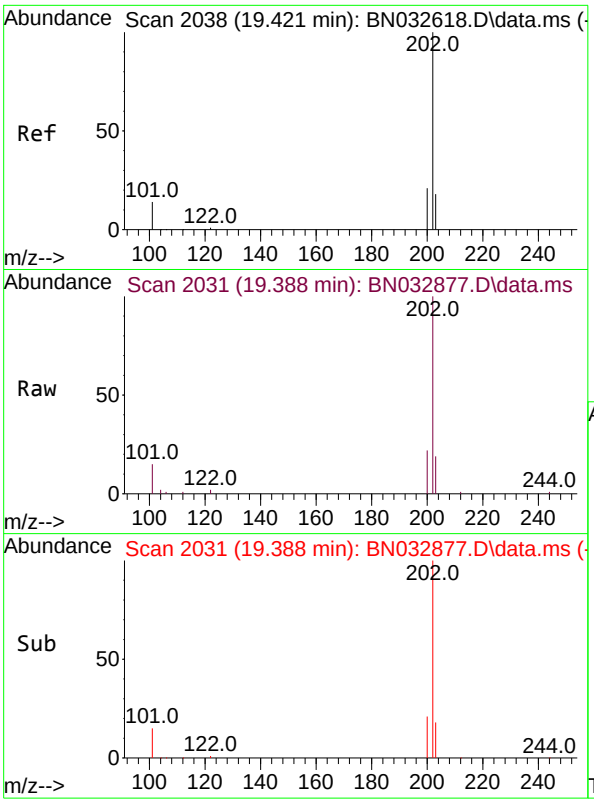


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.166 min Scan# 2397
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:240 Resp: 10747

Ion	Ratio	Lower	Upper
240	100		
120	17.3	14.8	22.2
236	28.4	23.3	34.9



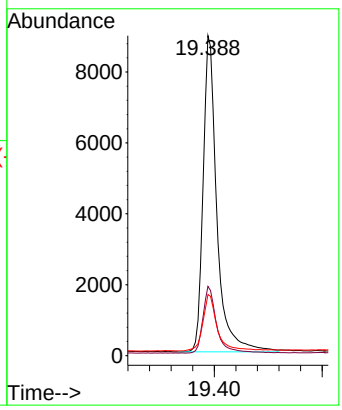


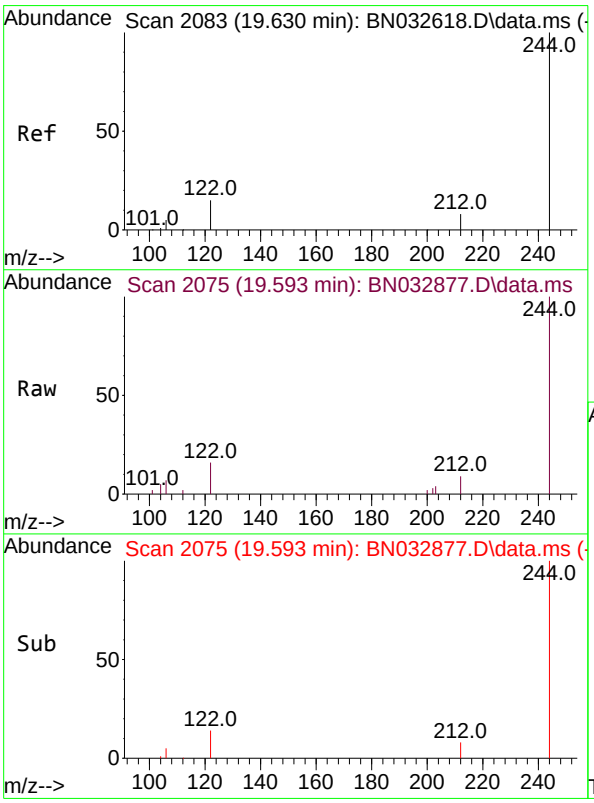
#30
Pyrene
Concen: 0.360 ng
RT: 19.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:202 Resp: 15824

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	18.7	14.8	22.2

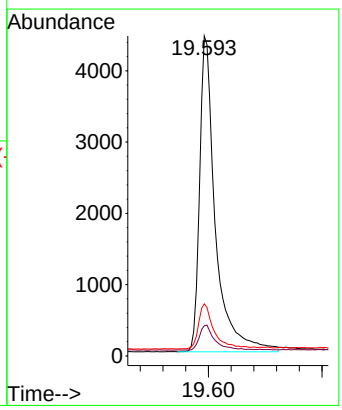


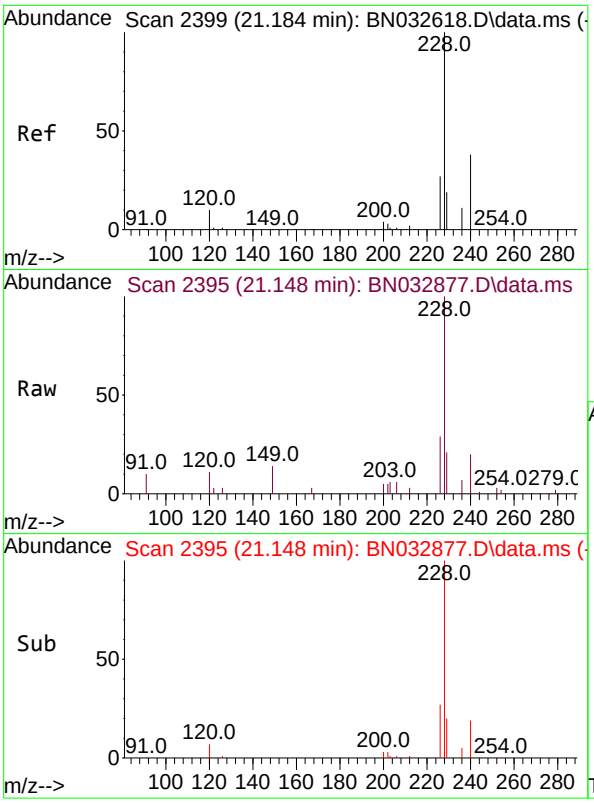


#31
Terphenyl-d14
Concen: 0.388 ng
RT: 19.593 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:244 Resp: 8553

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	16.3	12.6	19.0



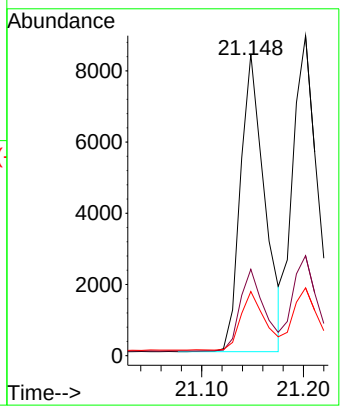


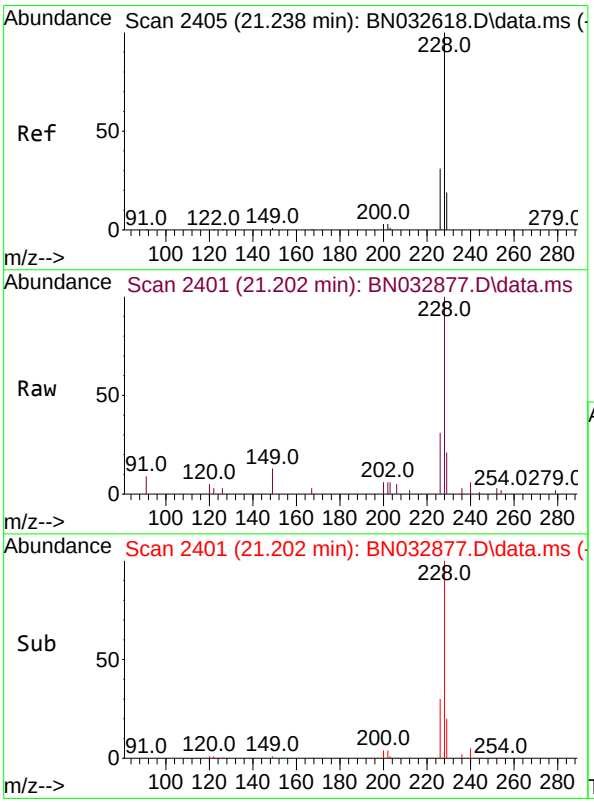
#32
Benzo(a)anthracene
Concen: 0.407 ng
RT: 21.148 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:228 Resp: 13816

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.6
229	21.3	16.0	24.0

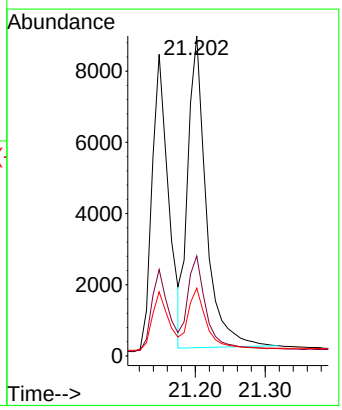


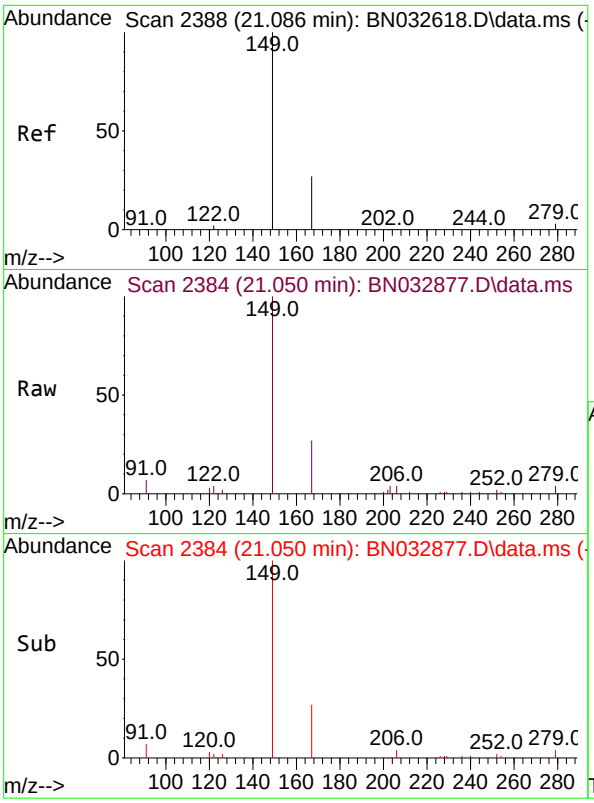


#33
Chrysene
Concen: 0.395 ng
RT: 21.202 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:228 Resp: 15960

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.2
229	21.2	16.0	24.0



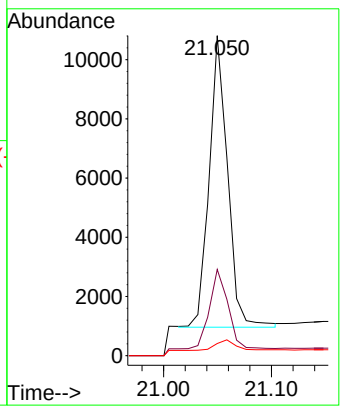


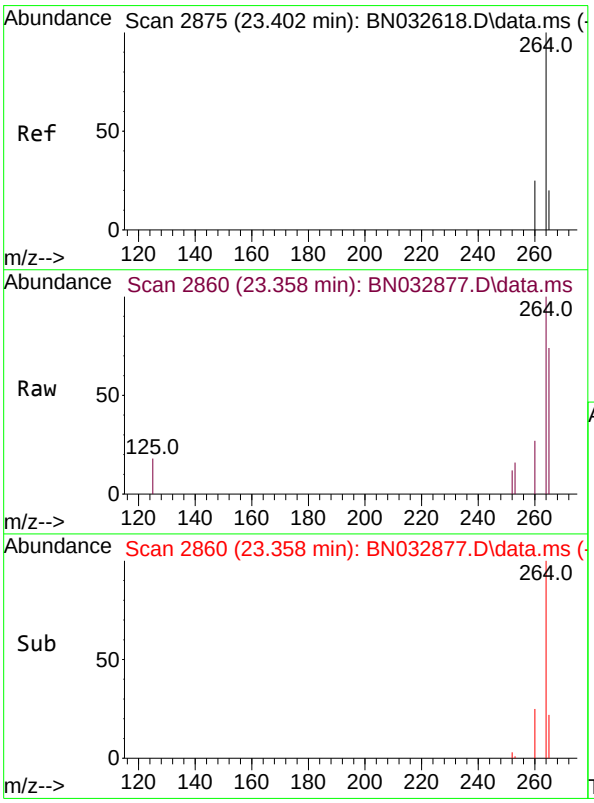
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.624 ng m
RT: 21.050 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:149 Resp: 11738

Ion	Ratio	Lower	Upper
149	100		
167	36.9	21.4	32.2#
279	14.6	2.8	4.2#

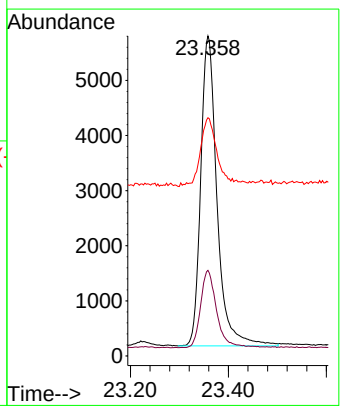


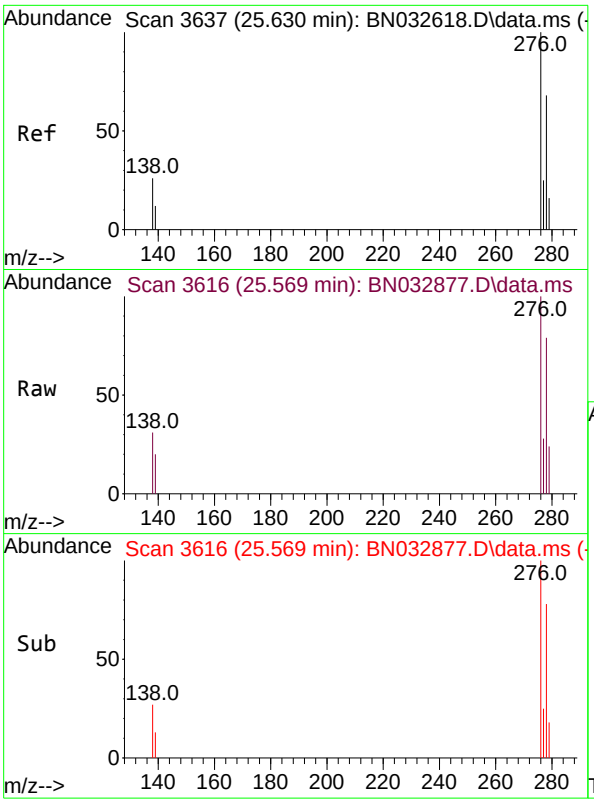


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.358 min Scan# 2860
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:264 Resp: 12947

Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.9	31.3
265	74.4	85.4	128.2#



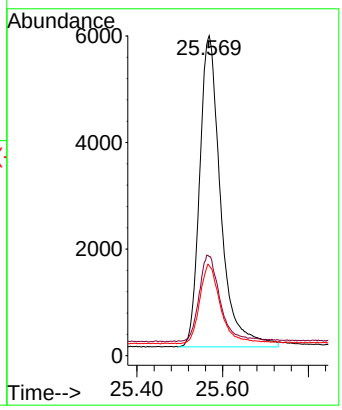


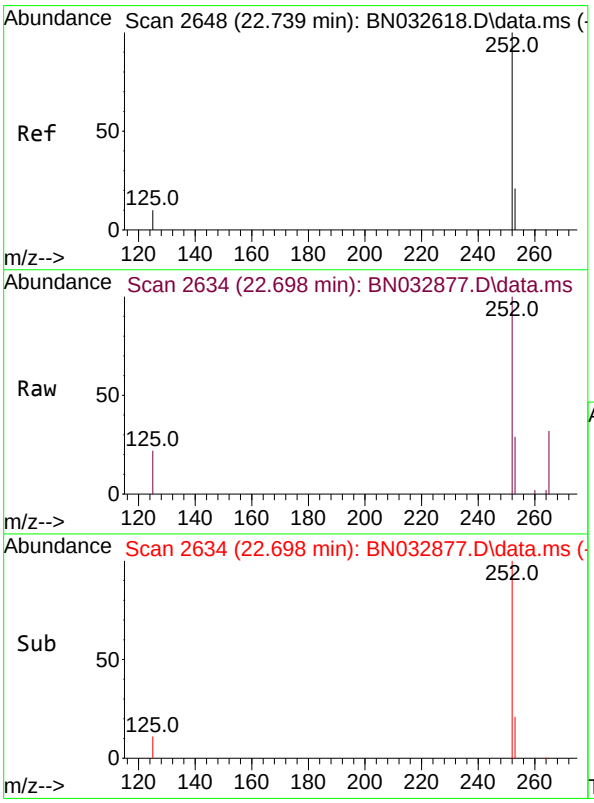
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.389 ng
RT: 25.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:276 Resp: 19849

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.0	31.4
277	25.0	19.5	29.3

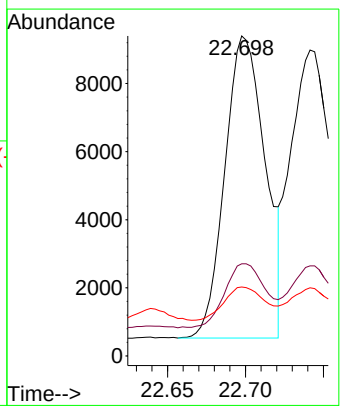


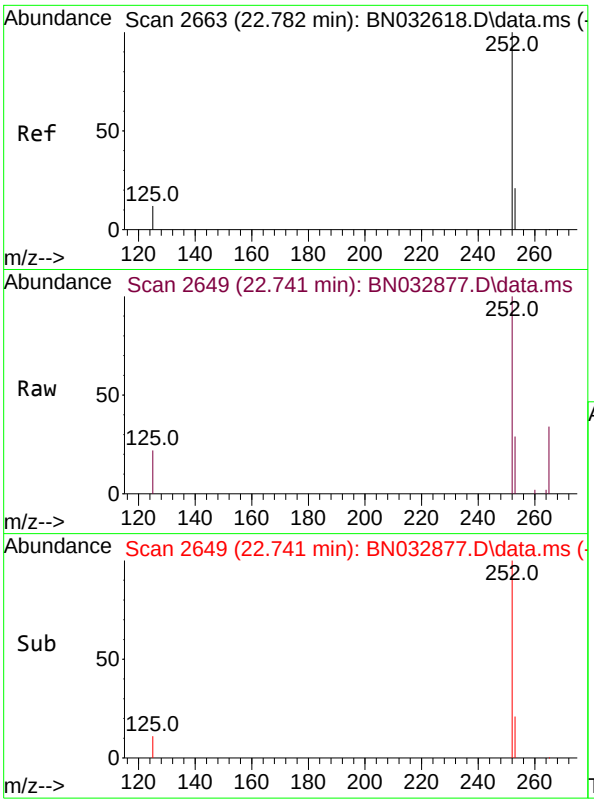


#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 22.698 min Scan# 2634
Delta R.T. -0.003 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:252 Resp: 15988

Ion	Ratio	Lower	Upper
252	100		
253	28.8	22.3	33.5
125	21.6	15.4	23.2



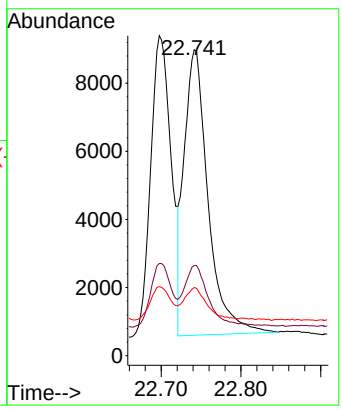


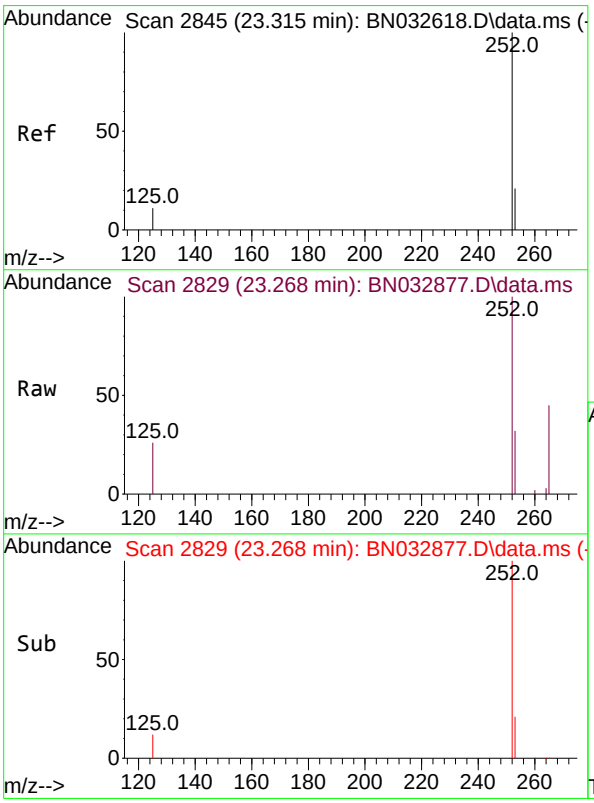
#38
Benzo(k)fluoranthene
Concen: 0.338 ng
RT: 22.741 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:252 Resp: 17433

Ion	Ratio	Lower	Upper
252	100		
253	29.4	22.6	34.0
125	22.3	16.2	24.4

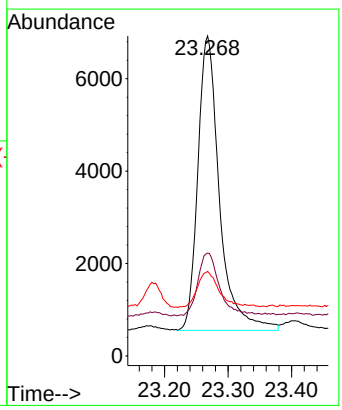


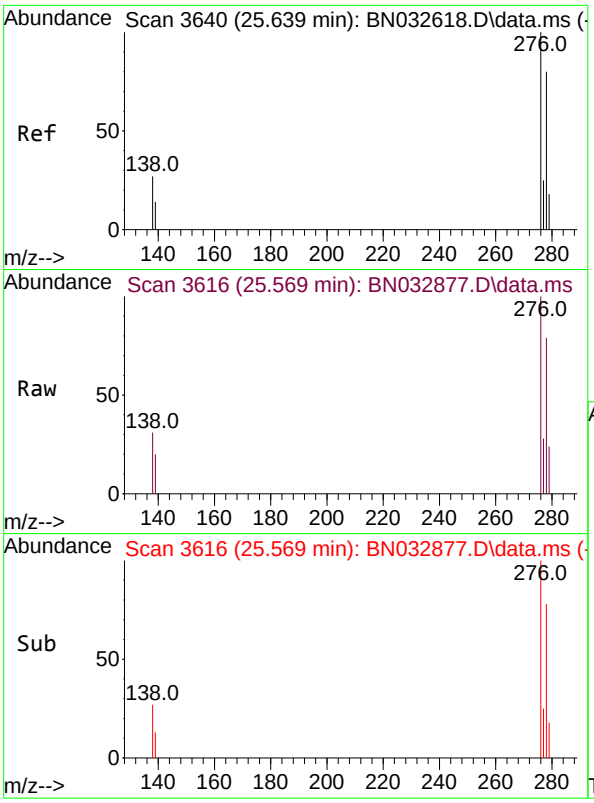


#39
Benzo(a)pyrene
Concen: 0.370 ng
RT: 23.268 min Scan# 2829
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:252 Resp: 15053

Ion	Ratio	Lower	Upper
252	100		
253	32.1	25.8	38.8
125	26.4	21.4	32.2



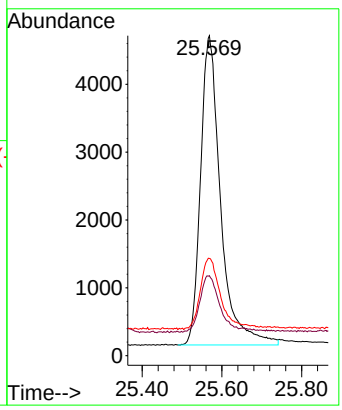


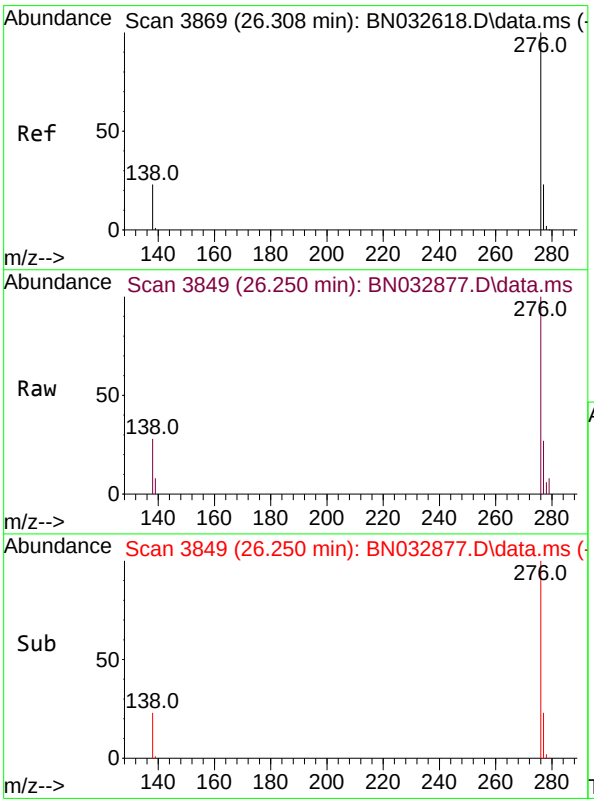
#40
Dibenzo(a,h)anthracene
Concen: 0.396 ng
RT: 25.569 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Instrument :
BNA_N
ClientSampleId :
PB162139BS

Tgt Ion:278 Resp: 15947

Ion	Ratio	Lower	Upper
278	100		
139	25.0	16.7	25.1
279	30.4	24.3	36.5





#41
Benzo(g,h,i)perylene
Concen: 0.380 ng
RT: 26.250 min Scan# 3849
Delta R.T. -0.000 min
Lab File: BN032877.D
Acq: 20 Jul 2024 15:22

Tgt Ion:276 Resp: 16974

Ion	Ratio	Lower	Upper
276	100		
277	27.2	20.2	30.2
138	28.0	20.5	30.7