Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081024\
Data File : BN033336.D
Acq On : 10 Aug 2024 14:53
Operator : MA/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Aug 12 01:01:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 12 00:59:25 2024
Response via : Initial Calibration

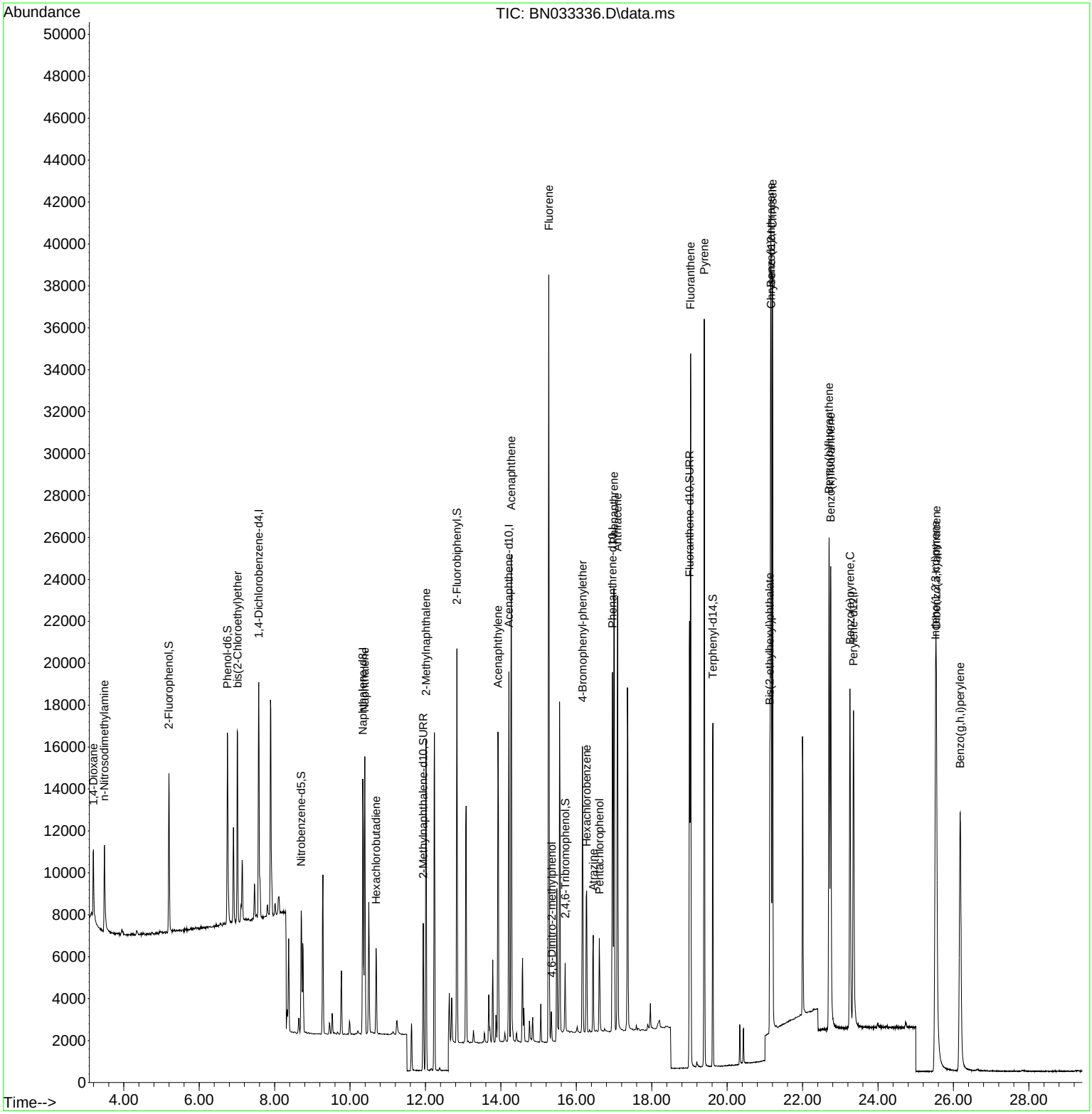
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.580	152	5313	0.400	ng		0.00
7) Naphthalene-d8	10.338	136	15448	0.400	ng		0.00
13) Acenaphthene-d10	14.212	164	9171	0.400	ng		0.00
19) Phenanthrene-d10	16.958	188	22066	0.400	ng		0.00
29) Chrysene-d12	21.166	240	19273	0.400	ng		0.00
35) Perylene-d12	23.349	264	19885	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.197	112	5977	0.427	ng		0.00
5) Phenol-d6	6.749	99	8038	0.420	ng		0.00
8) Nitrobenzene-d5	8.704	82	4546	0.482	ng		0.00
11) 2-Methylnaphthalene-d10	11.940	152	9150	0.380	ng		0.00
14) 2,4,6-Tribromophenol	15.705	330	1755	0.473	ng		0.00
15) 2-Fluorobiphenyl	12.833	172	14966	0.433	ng		0.00
27) Fluoranthene-d10	19.002	212	22394	0.369	ng		0.00
31) Terphenyl-d14	19.620	244	14573	0.438	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.196	88	2265	0.385	ng		100
3) n-Nitrosodimethylamine	3.485	42	2971	0.397	ng		100
6) bis(2-Chloroethyl)ether	7.017	93	6308	0.386	ng		100
9) Naphthalene	10.391	128	16562	0.382	ng		100
10) Hexachlorobutadiene	10.690	225	3219	0.404	ng	#	100
12) 2-Methylnaphthalene	12.015	142	11044	0.369	ng		100
16) Acenaphthylene	13.924	152	15945	0.356	ng		100
17) Acenaphthene	14.277	154	11171	0.393	ng		100
18) Fluorene	15.271	166	14815	0.390	ng		100
20) 4,6-Dinitro-2-methylph...	15.346	198	921	0.584	ng		100
21) 4-Bromophenyl-phenylether	16.164	248	5026	0.375	ng		100
22) Hexachlorobenzene	16.276	284	5784	0.411	ng		100
23) Atrazine	16.449	200	3811	0.344	ng		100
24) Pentachlorophenol	16.611	266	2039	0.414	ng		100
25) Phenanthrene	16.995	178	24483	0.383	ng		100
26) Anthracene	17.095	178	21138	0.340	ng		100
28) Fluoranthene	19.030	202	29596	0.368	ng		100
30) Pyrene	19.392	202	30305	0.400	ng		100
32) Benzo(a)anthracene	21.157	228	26737	0.357	ng		100
33) Chrysene	21.201	228	28851	0.398	ng		100
34) Bis(2-ethylhexyl)phtha...	21.130	149	11323	0.292	ng		100
36) Indeno(1,2,3-cd)pyrene	25.524	276	29809	0.343	ng		100
37) Benzo(b)fluoranthene	22.703	252	28235	0.382	ng		100
38) Benzo(k)fluoranthene	22.747	252	29564	0.412	ng		100
39) Benzo(a)pyrene	23.255	252	22964	0.350	ng		100
40) Dibenzo(a,h)anthracene	25.548	278	23448	0.341	ng		100
41) Benzo(g,h,i)perylene	26.176	276	26432	0.354	ng		100

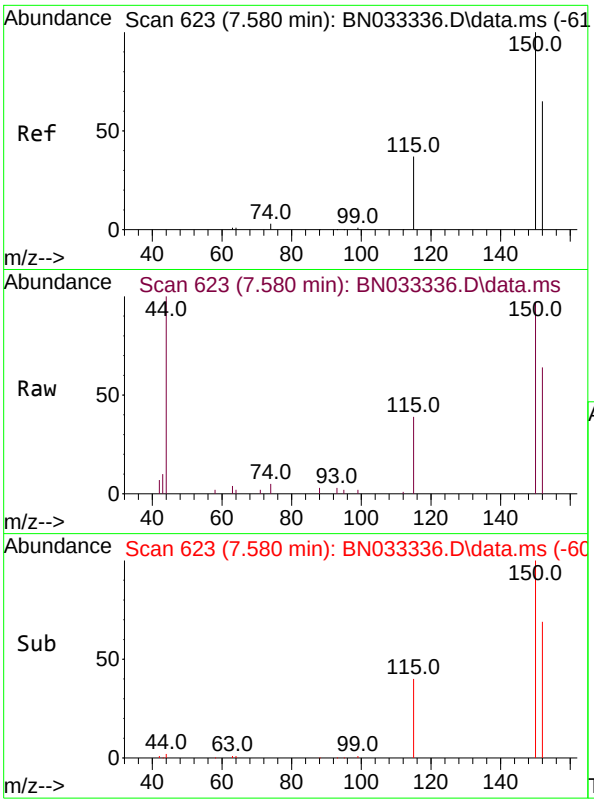
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081024\
Data File : BN033336.D
Acq On : 10 Aug 2024 14:53
Operator : MA/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Aug 12 01:01:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 12 00:59:25 2024
Response via : Initial Calibration



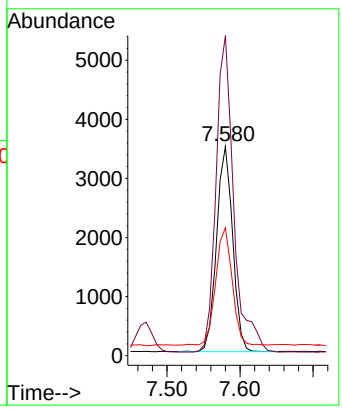


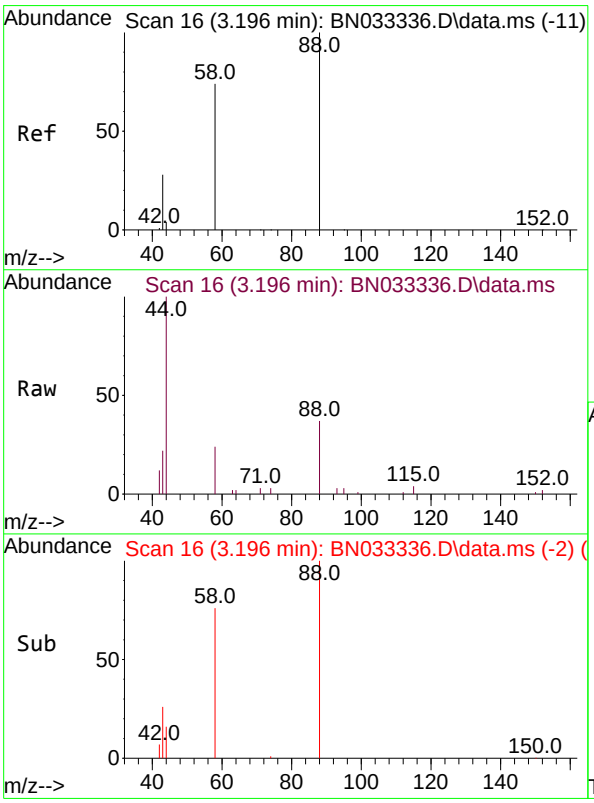
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.580 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 5313

Ion	Ratio	Lower	Upper
152	100		
150	152.9	122.3	183.5
115	61.0	48.8	73.2

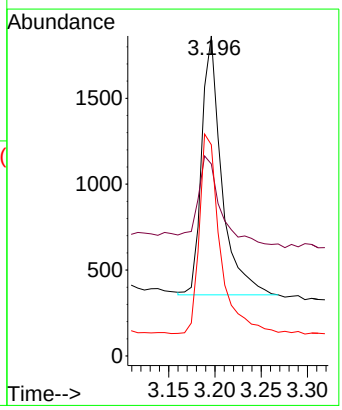


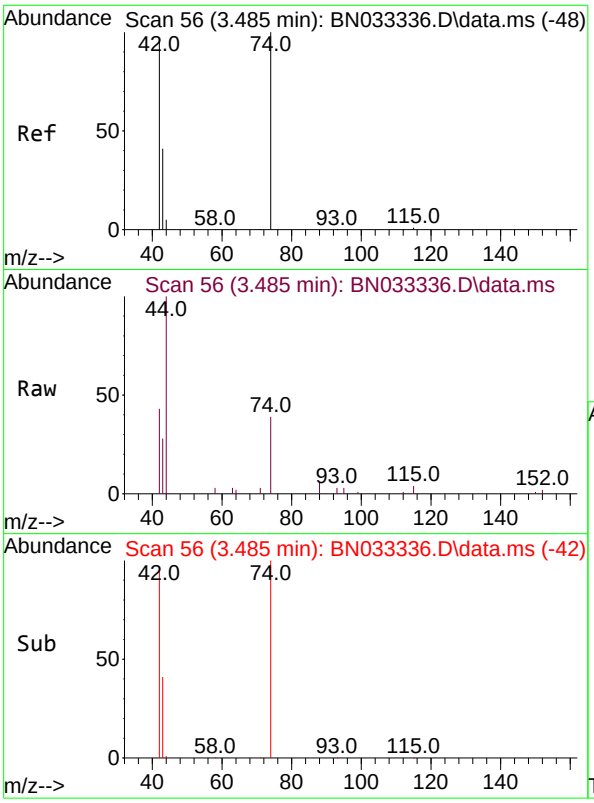


#2
1,4-Dioxane
Concen: 0.385 ng
RT: 3.196 min Scan# 16
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion: 88 Resp: 2265

Ion	Ratio	Lower	Upper
88	100		
43	38.3	30.6	46.0
58	80.6	64.5	96.7



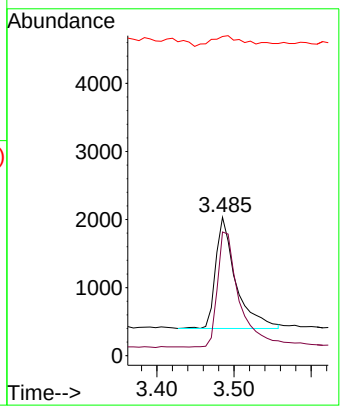


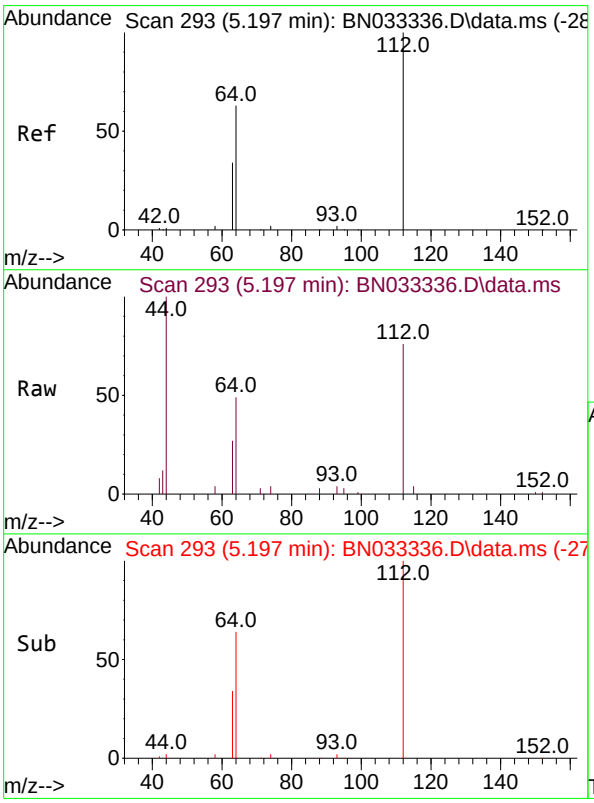
#3
n-Nitrosodimethylamine
Concen: 0.397 ng
RT: 3.485 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 2971

Ion	Ratio	Lower	Upper
42	100		
74	111.0	89.0	133.6
44	13.8	11.0	16.4

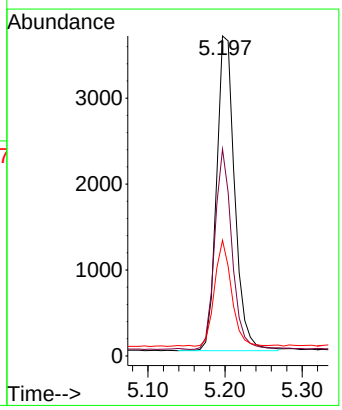


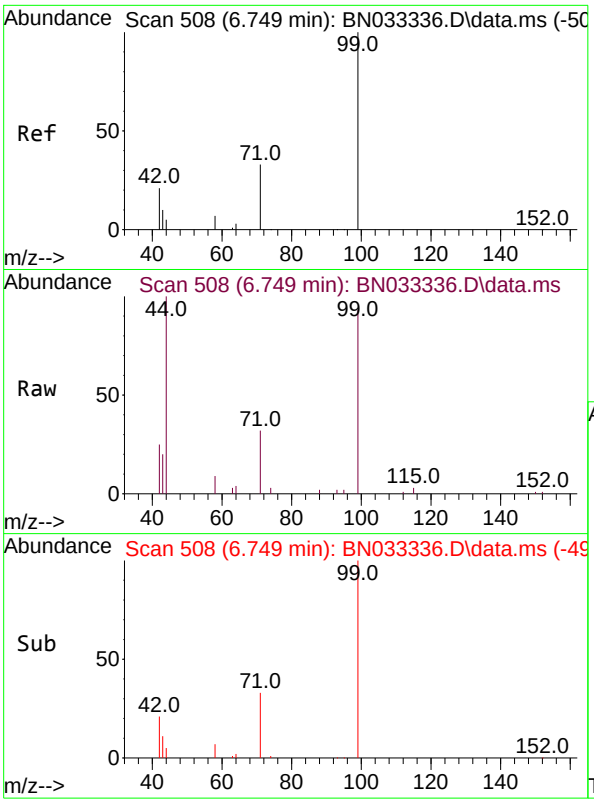


#4
2-Fluorophenol
Concen: 0.427 ng
RT: 5.197 min Scan# 293
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:112 Resp: 5977

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.1	72.1
63	31.8	25.4	38.2



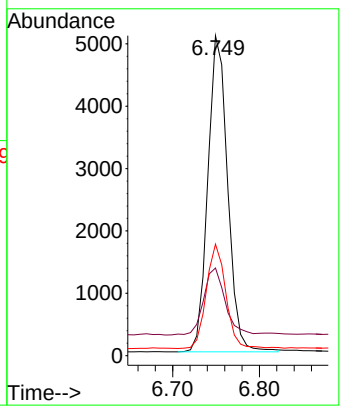


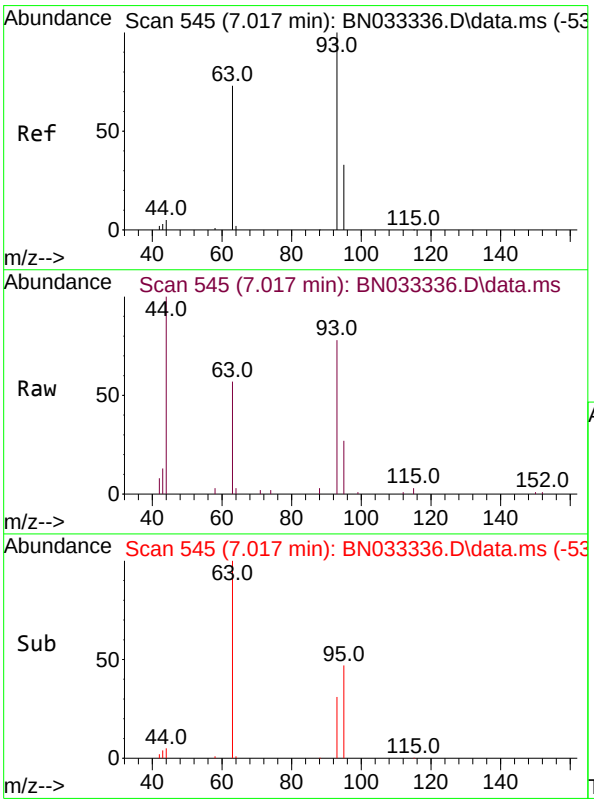
#5
Phenol-d6
Concen: 0.420 ng
RT: 6.749 min Scan# 5(
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 8038

Ion	Ratio	Lower	Upper
99	100		
42	23.1	18.5	27.7
71	32.7	26.2	39.2

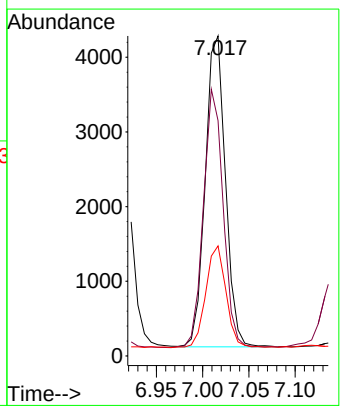


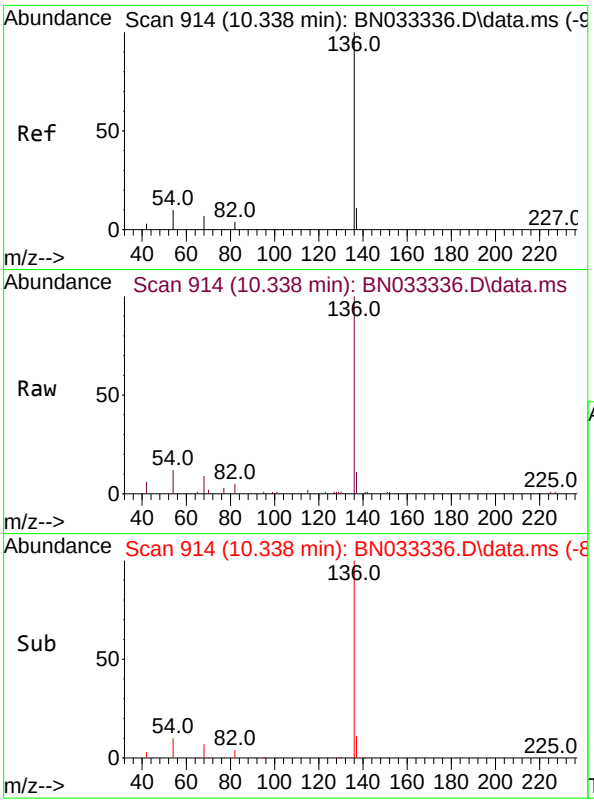


#6
bis(2-Chloroethyl)ether
Concen: 0.386 ng
RT: 7.017 min Scan# 545
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion: 93 Resp: 6308

Ion	Ratio	Lower	Upper
93	100		
63	81.5	65.2	97.8
95	32.8	26.2	39.4



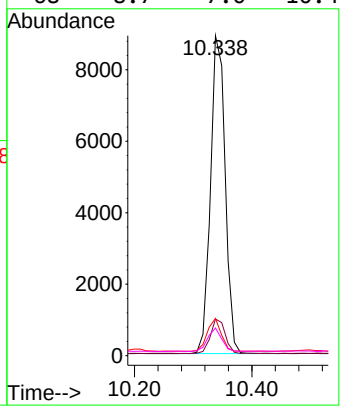


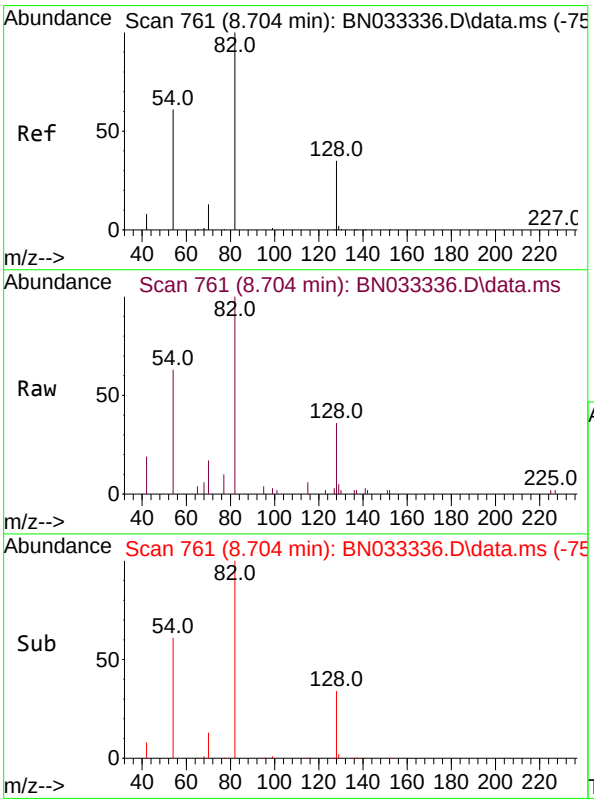
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.338 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 15448

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	11.7	9.4	14.0
68	8.7	7.0	10.4

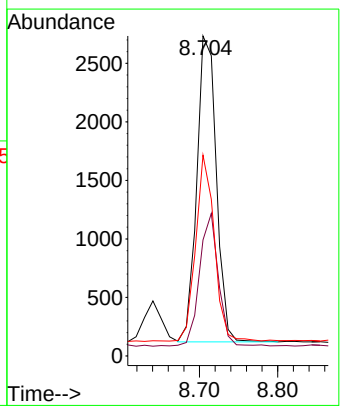


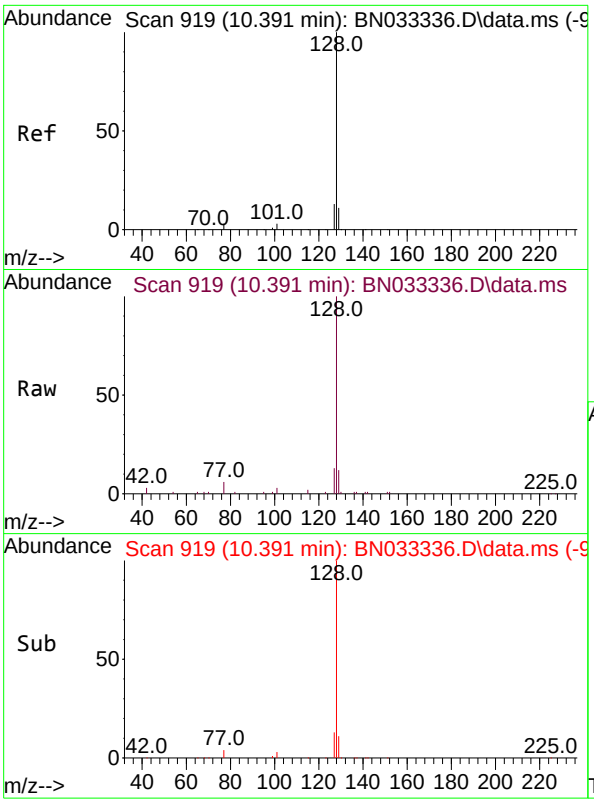


#8
Nitrobenzene-d5
Concen: 0.482 ng
RT: 8.704 min Scan# 761
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion: 82 Resp: 4546

Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.0	43.4
54	62.8	50.2	75.4



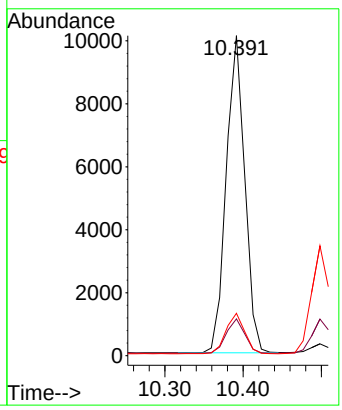


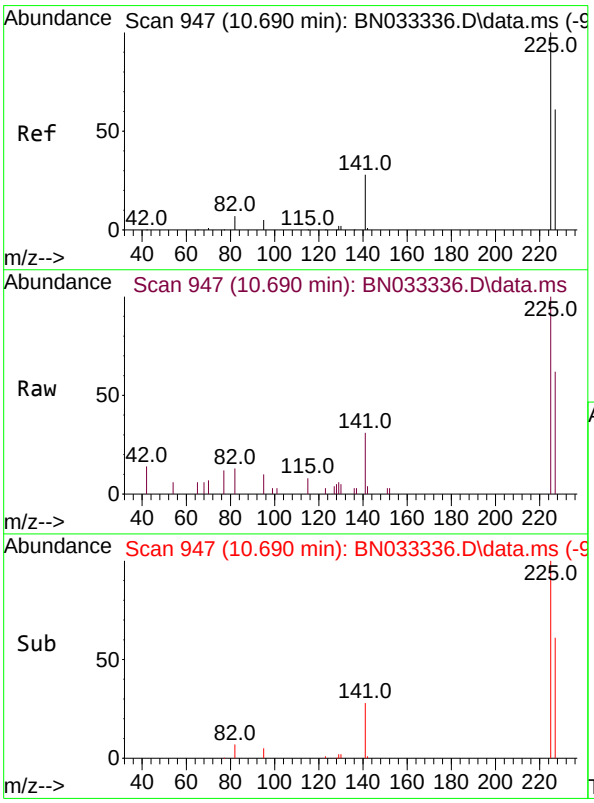
#9
Naphthalene
Concen: 0.382 ng
RT: 10.391 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 16562

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.2	10.6	15.8

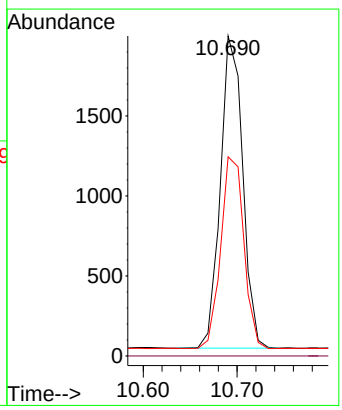


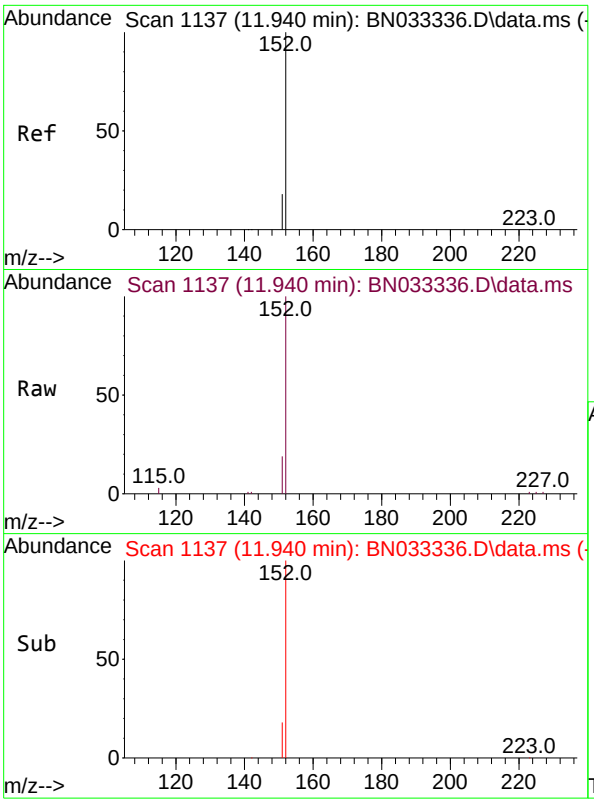


#10
Hexachlorobutadiene
Concen: 0.404 ng
RT: 10.690 min Scan# 947
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:225 Resp: 3219

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.8	76.2



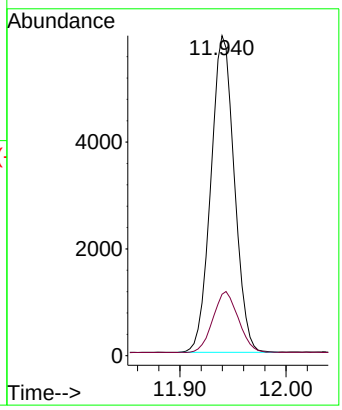


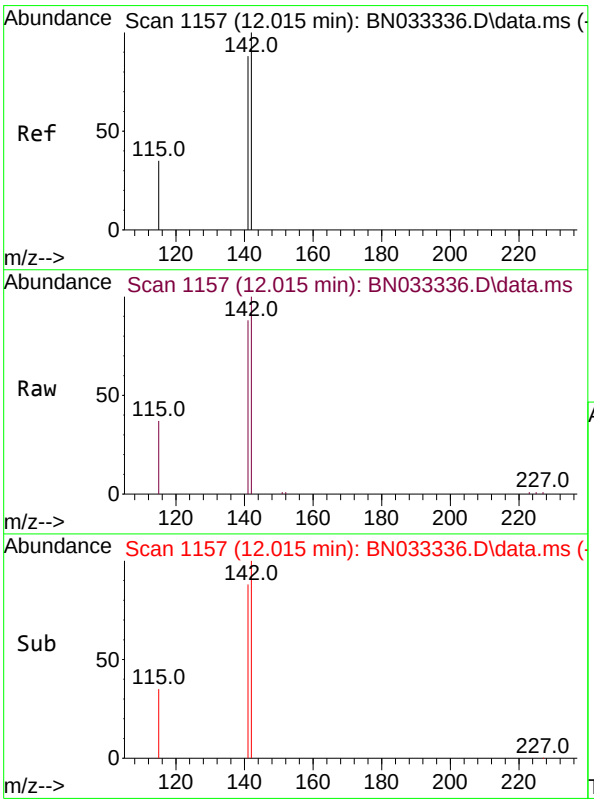
#11
2-Methylnaphthalene-d10
Concen: 0.380 ng
RT: 11.940 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 9150

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.7	25.1

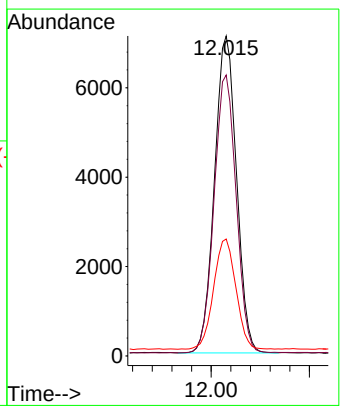


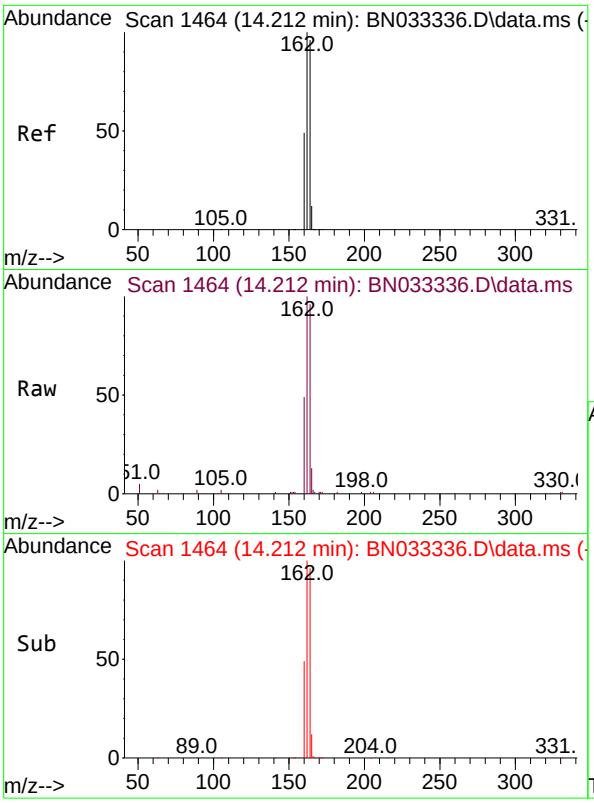


#12
2-Methylnaphthalene
Concen: 0.369 ng
RT: 12.015 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:142 Resp: 11044

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.4
115	36.6	29.3	43.9



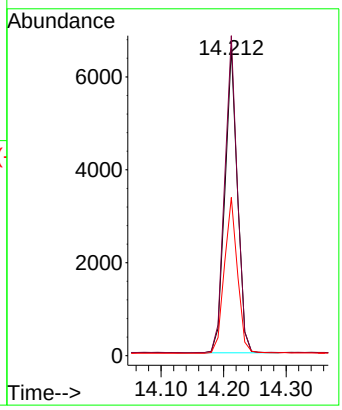


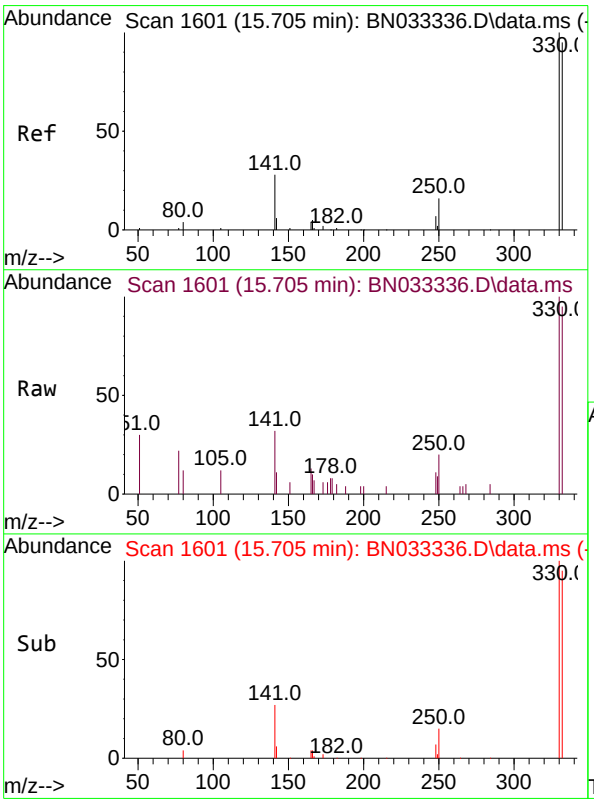
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.212 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 9171

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.1	124.7
160	51.4	41.1	61.7

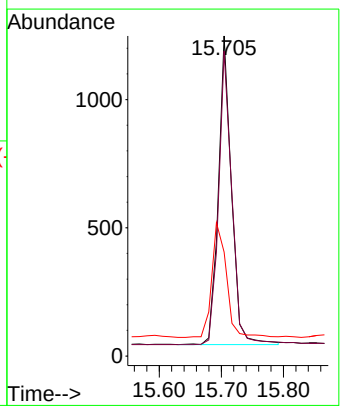


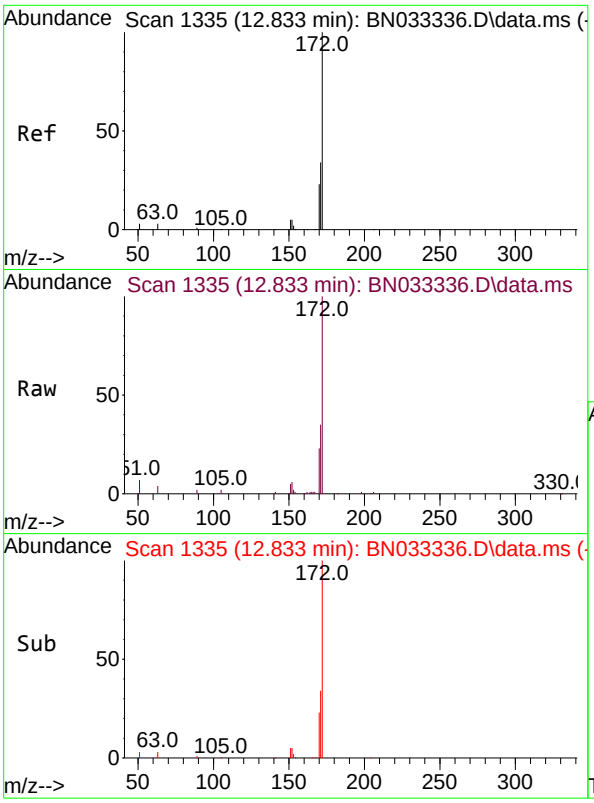


#14
2,4,6-Tribromophenol
Concen: 0.473 ng
RT: 15.705 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:330 Resp: 1755

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	41.7	33.4	50.0



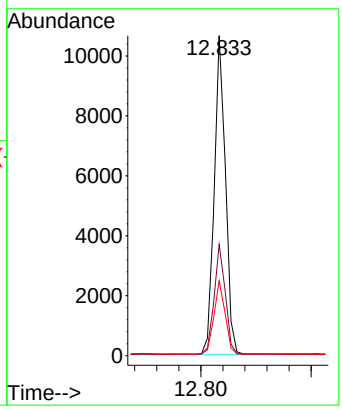


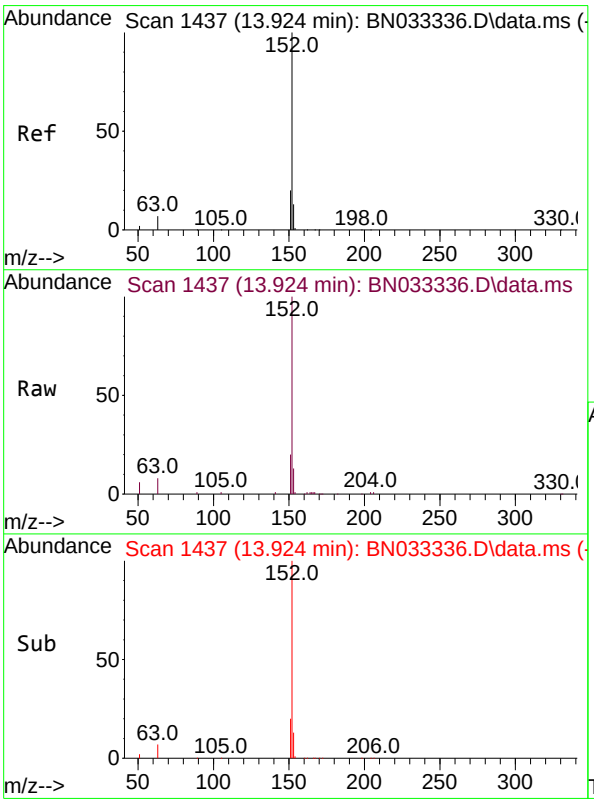
#15
2-Fluorobiphenyl
Concen: 0.433 ng
RT: 12.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 14966

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.8
170	23.4	18.7	28.1

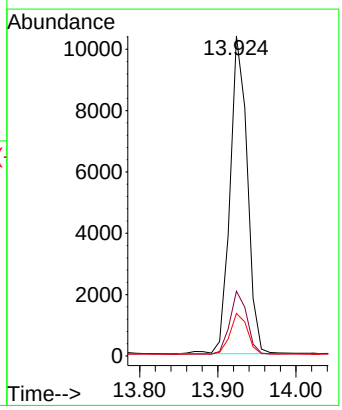


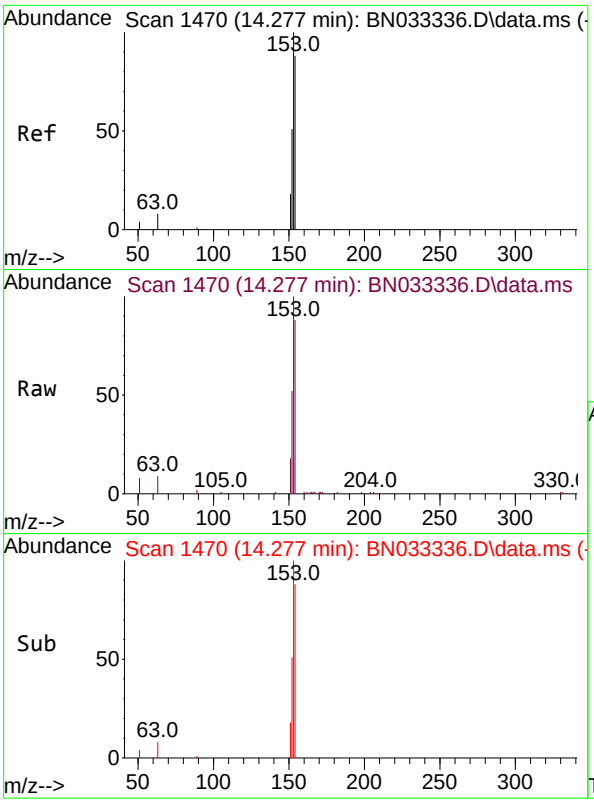


#16
Acenaphthylene
Concen: 0.356 ng
RT: 13.924 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:152 Resp: 15945

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.4	15.6



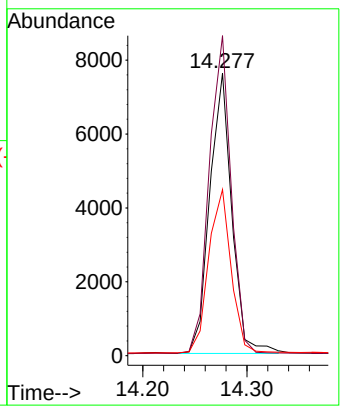


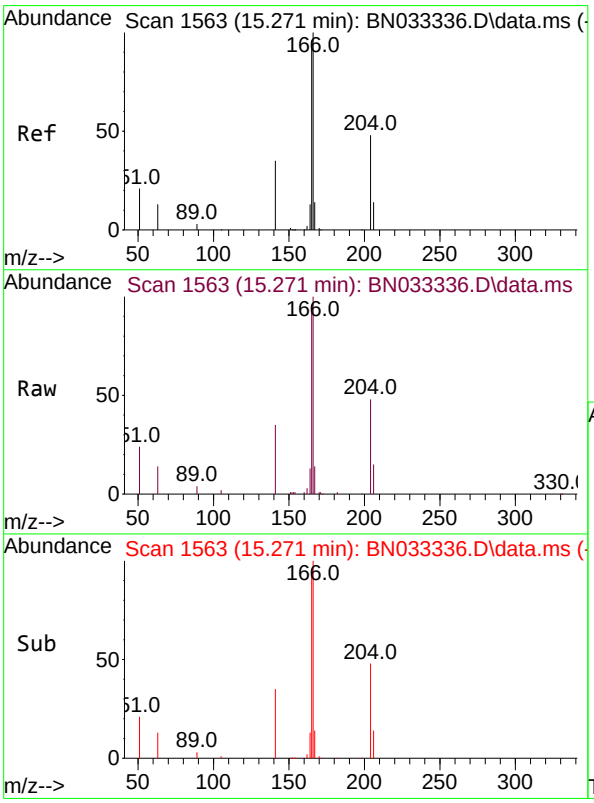
#17
Acenaphthene
Concen: 0.393 ng
RT: 14.277 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 11171

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.7	134.5
152	59.0	47.2	70.8

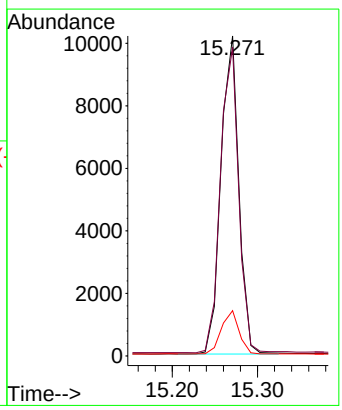


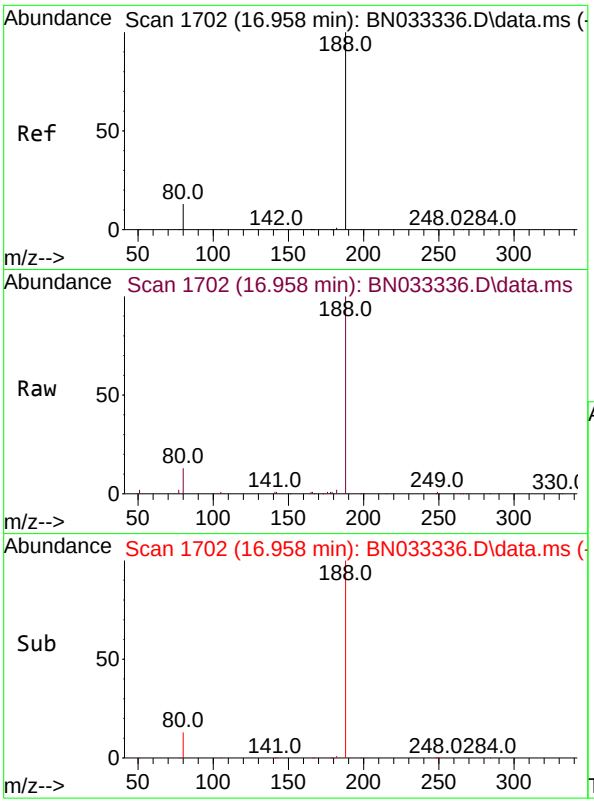


#18
Fluorene
Concen: 0.390 ng
RT: 15.271 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:166 Resp: 14815

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.0	117.0
167	13.4	10.7	16.1



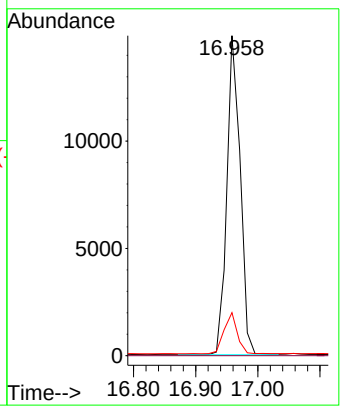


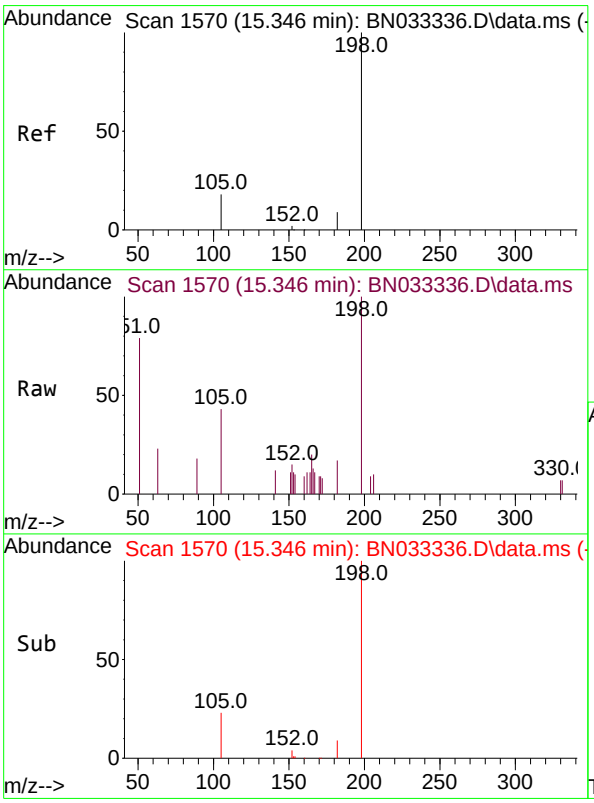
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.958 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 22066

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	10.7	16.1

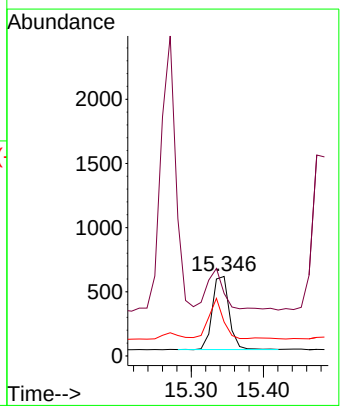


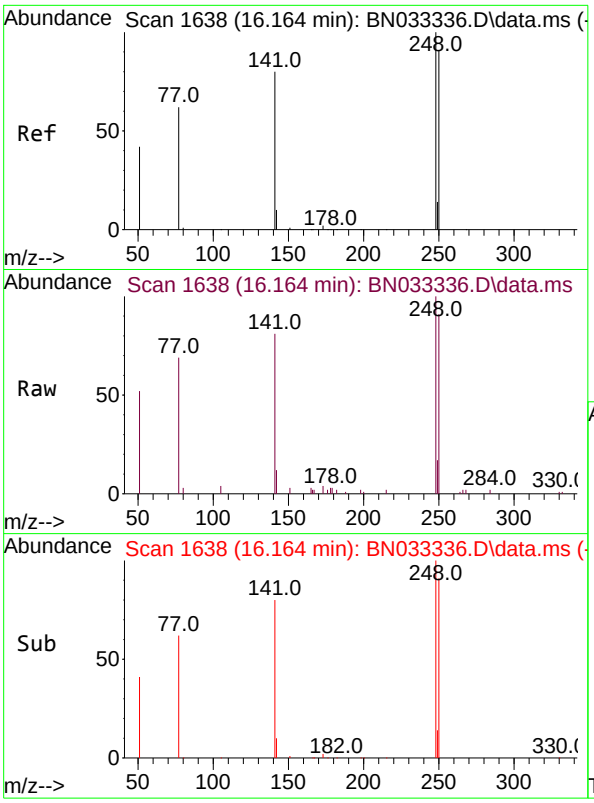


#20
4,6-Dinitro-2-methylphenol
Concen: 0.584 ng
RT: 15.346 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:198 Resp: 921

Ion	Ratio	Lower	Upper
198	100		
51	78.5	62.8	94.2
105	42.6	34.1	51.1



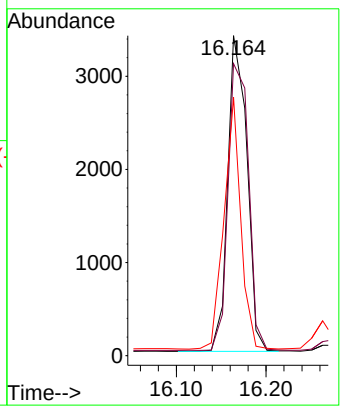


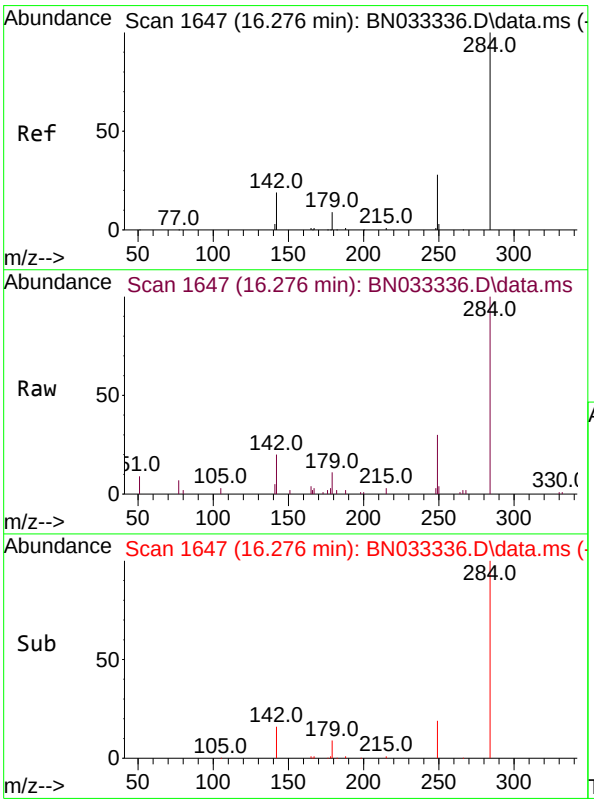
#21
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 5026

Ion	Ratio	Lower	Upper
248	100		
250	91.2	73.0	109.4
141	80.7	64.6	96.8

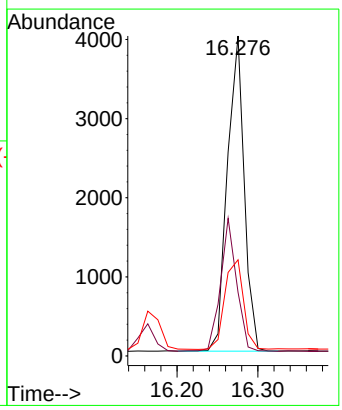


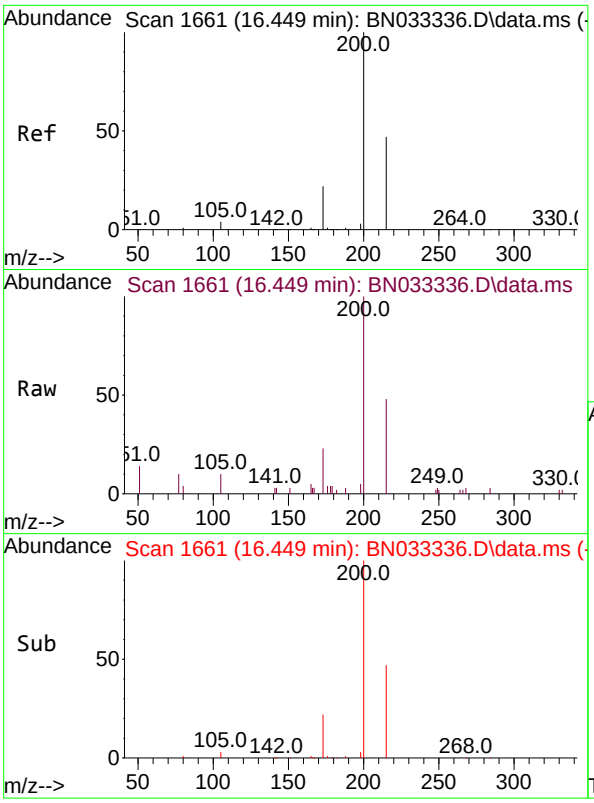


#22
Hexachlorobenzene
Concen: 0.411 ng
RT: 16.276 min Scan# 1647
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:284 Resp: 5784

Ion	Ratio	Lower	Upper
284	100		
142	40.3	32.2	48.4
249	31.6	25.3	37.9



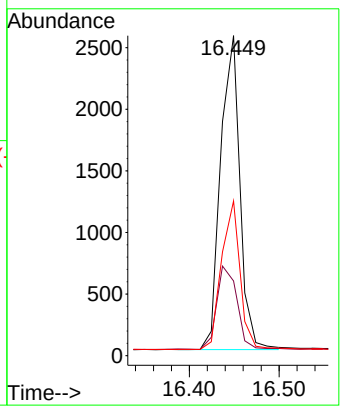


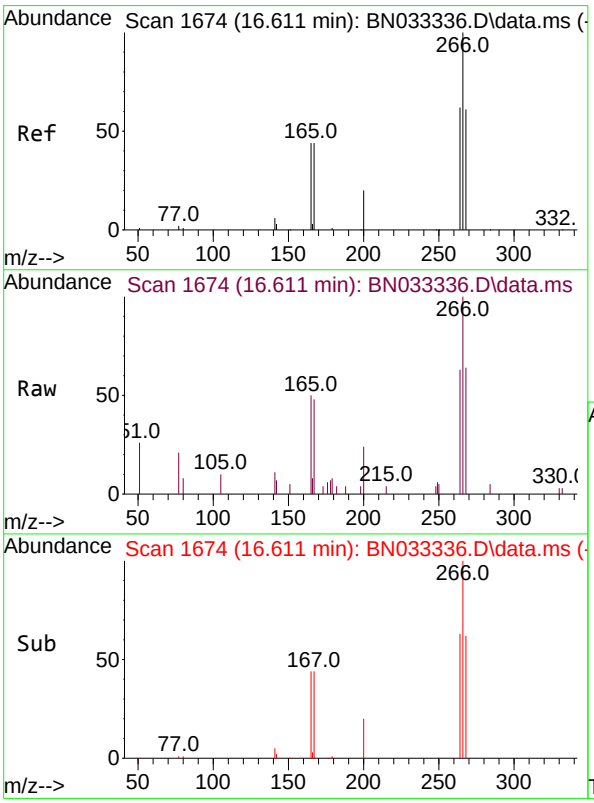
#23
Atrazine
Concen: 0.344 ng
RT: 16.449 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 3811

Ion	Ratio	Lower	Upper
200	100		
173	23.4	18.7	28.1
215	48.3	38.6	58.0

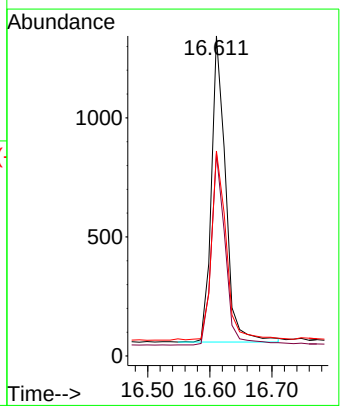


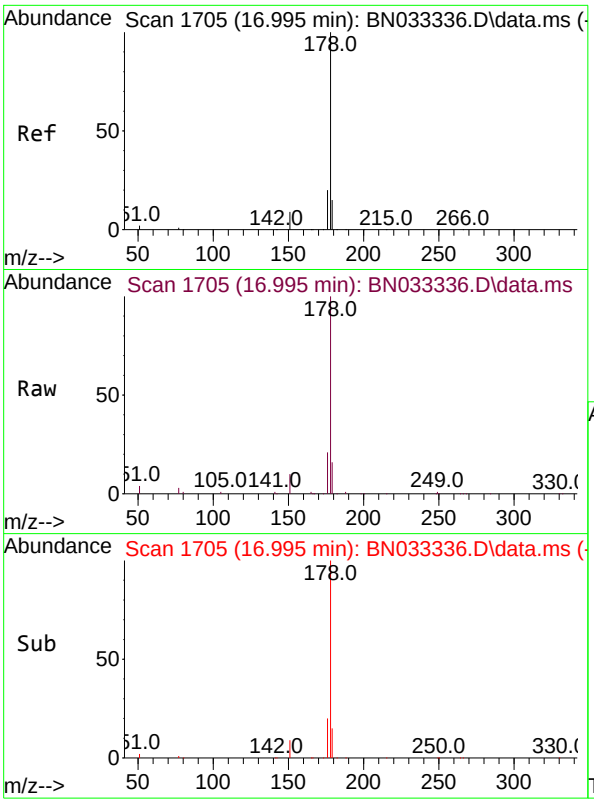


#24
Pentachlorophenol
Concen: 0.414 ng
RT: 16.611 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:266 Resp: 2039

Ion	Ratio	Lower	Upper
266	100		
264	61.5	49.2	73.8
268	64.0	51.2	76.8



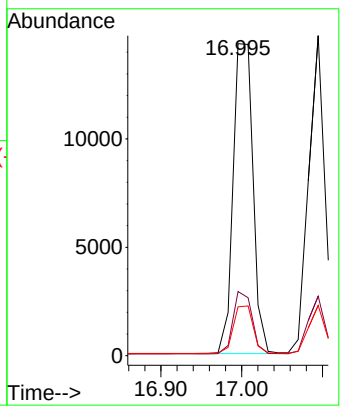


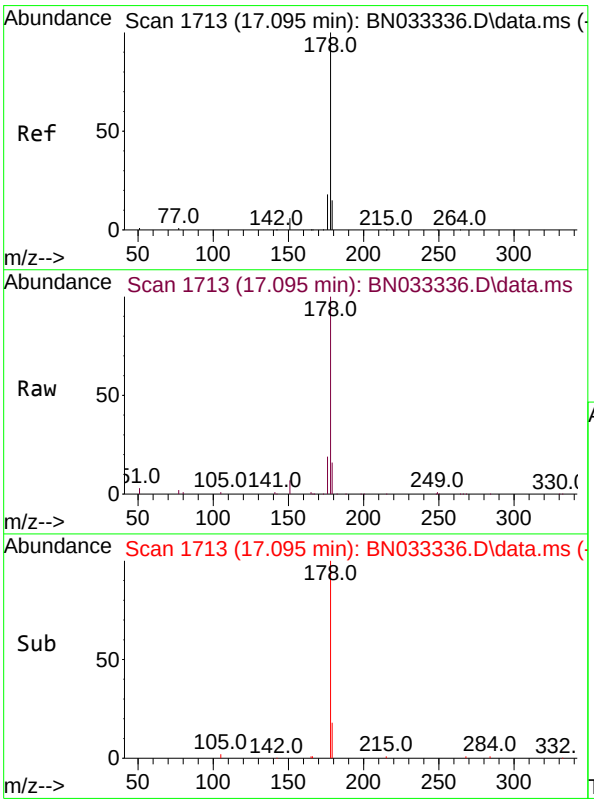
#25
Phenanthrene
Concen: 0.383 ng
RT: 16.995 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 24483

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.2	12.2	18.2

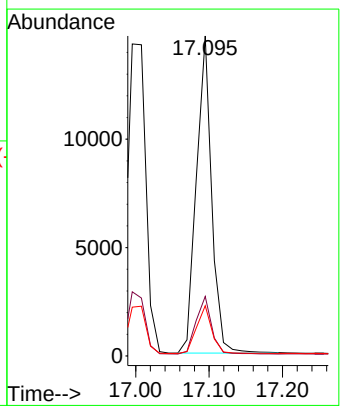


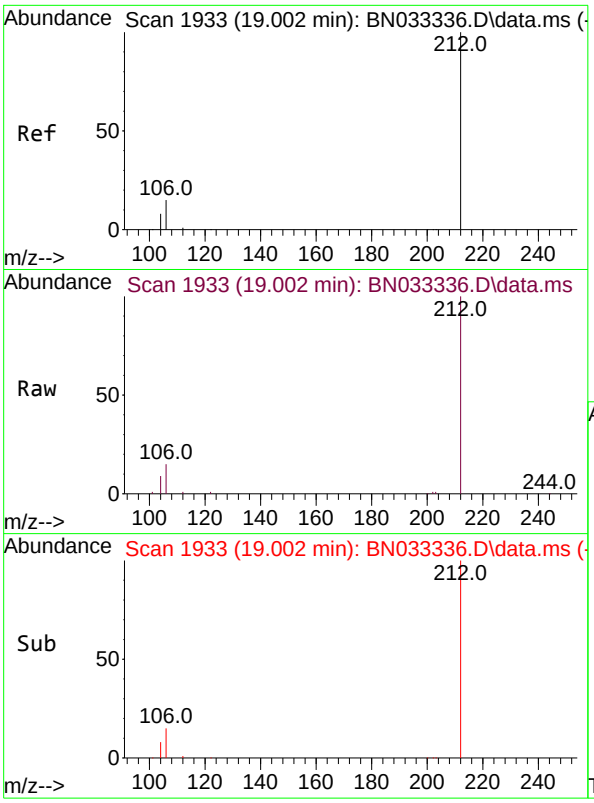


#26
Anthracene
Concen: 0.340 ng
RT: 17.095 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:178 Resp: 21138

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.2	12.2	18.2



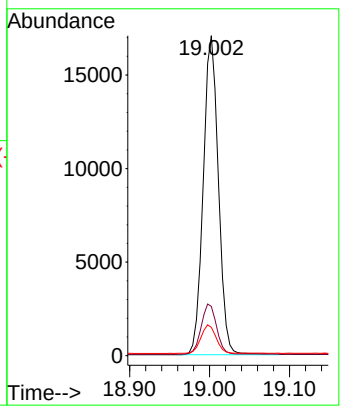


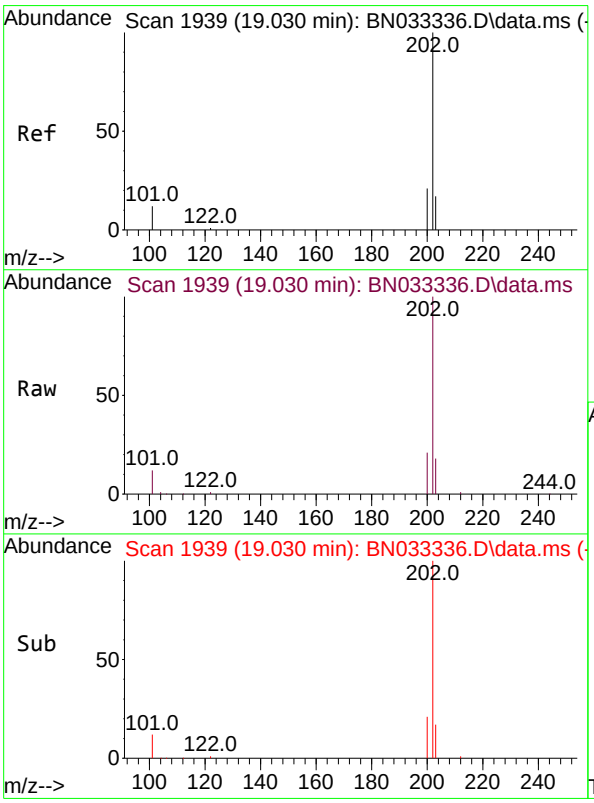
#27
Fluoranthene-d10
Concen: 0.369 ng
RT: 19.002 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 22394

Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.8	19.2
104	8.9	7.1	10.7

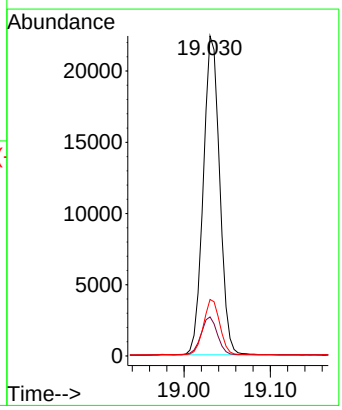


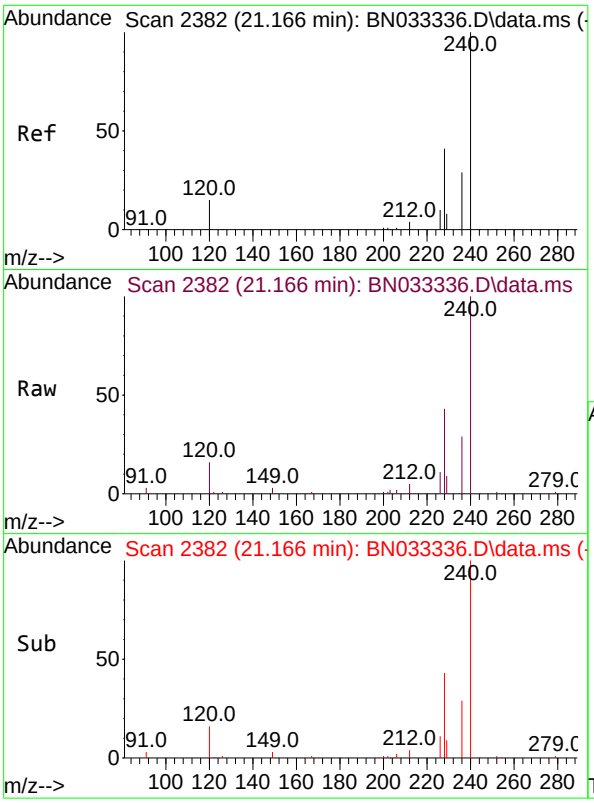


#28
Fluoranthene
Concen: 0.368 ng
RT: 19.030 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:202 Resp: 29596

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.6
203	17.2	13.8	20.6



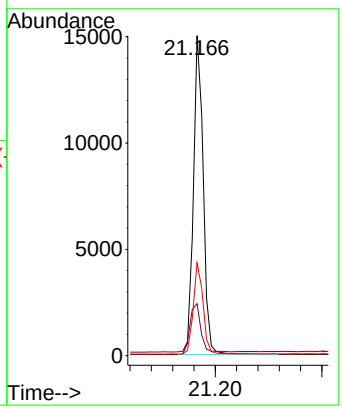


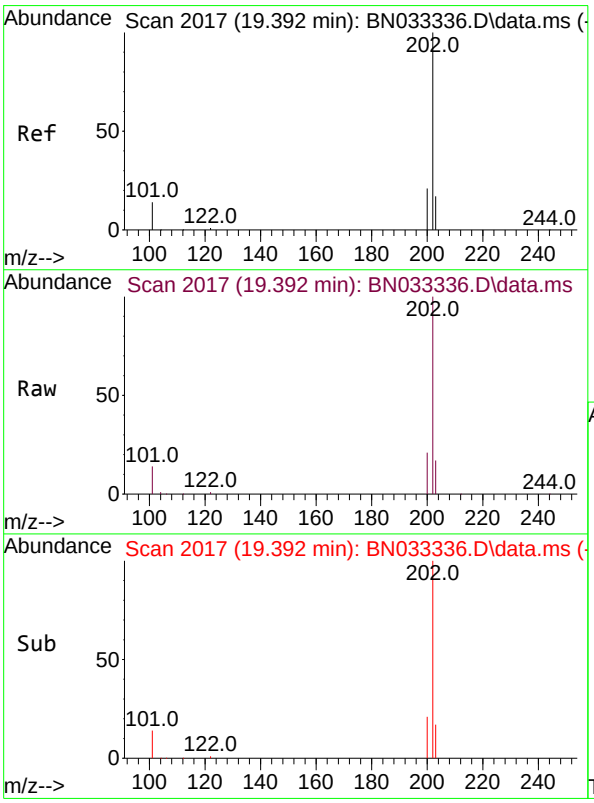
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.166 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 19273

Ion	Ratio	Lower	Upper
240	100		
120	16.3	13.0	19.6
236	29.0	23.2	34.8

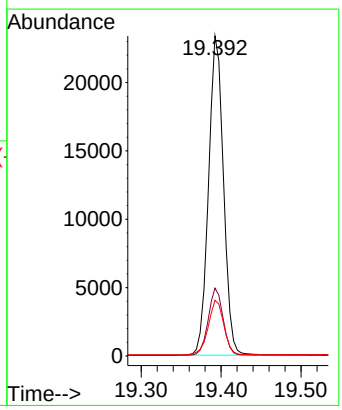


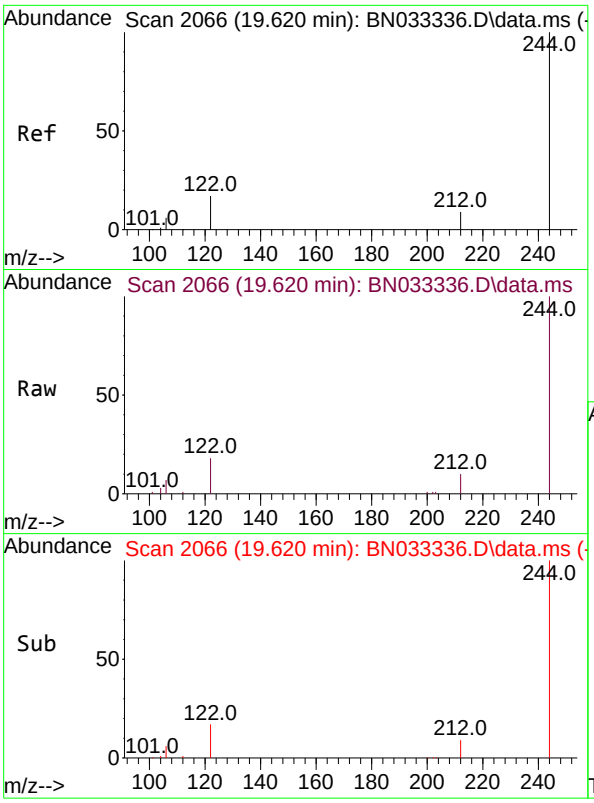


#30
Pyrene
Concen: 0.400 ng
RT: 19.392 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:202 Resp: 30305

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.2	21.4



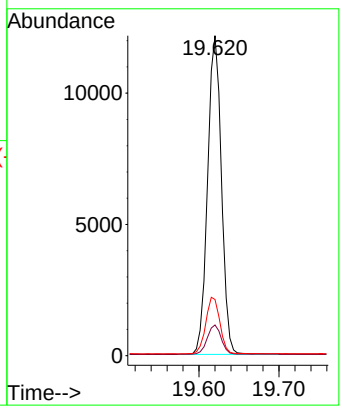


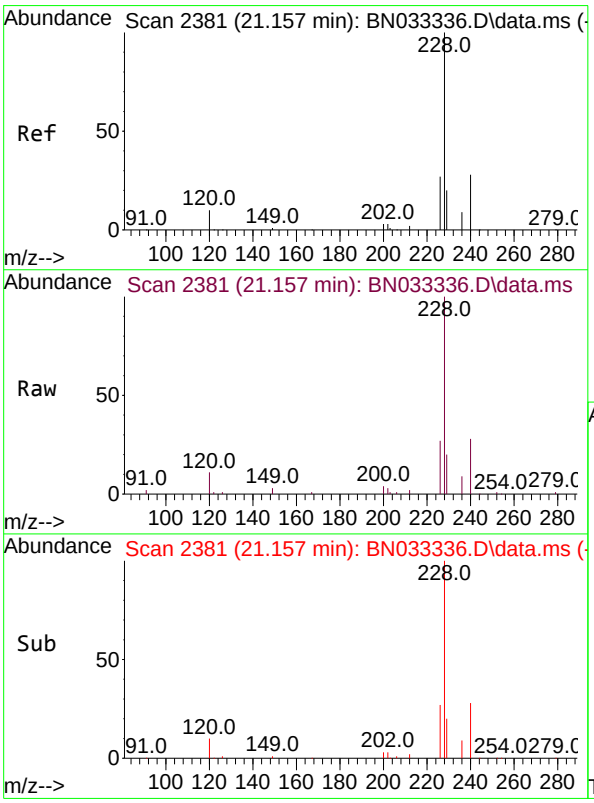
#31
Terphenyl-d14
Concen: 0.438 ng
RT: 19.620 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 14573

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.7	11.5
122	17.5	14.0	21.0

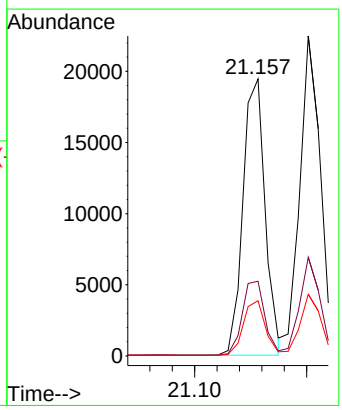


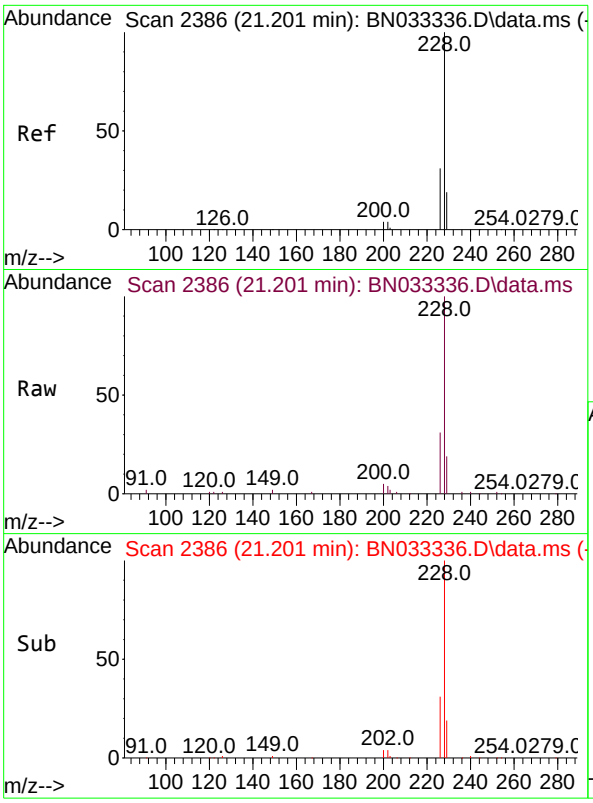


#32
Benzo(a)anthracene
Concen: 0.357 ng
RT: 21.157 min Scan# 2381
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:228 Resp: 26737

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.6	32.4
229	19.9	15.9	23.9



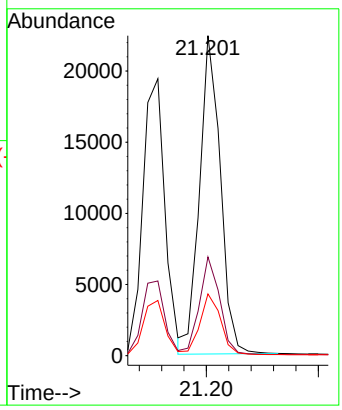


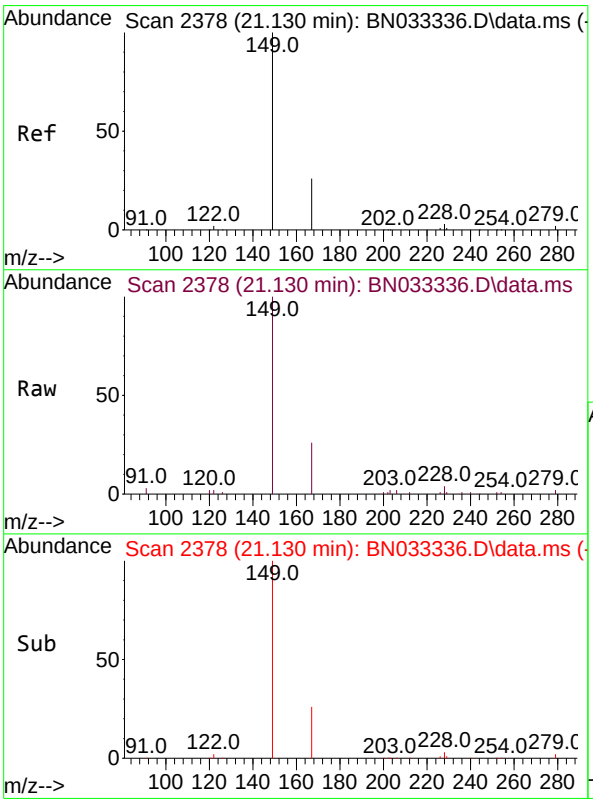
#33
Chrysene
Concen: 0.398 ng
RT: 21.201 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 28851

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	19.3	15.4	23.2

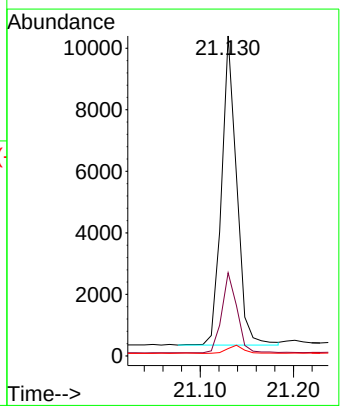


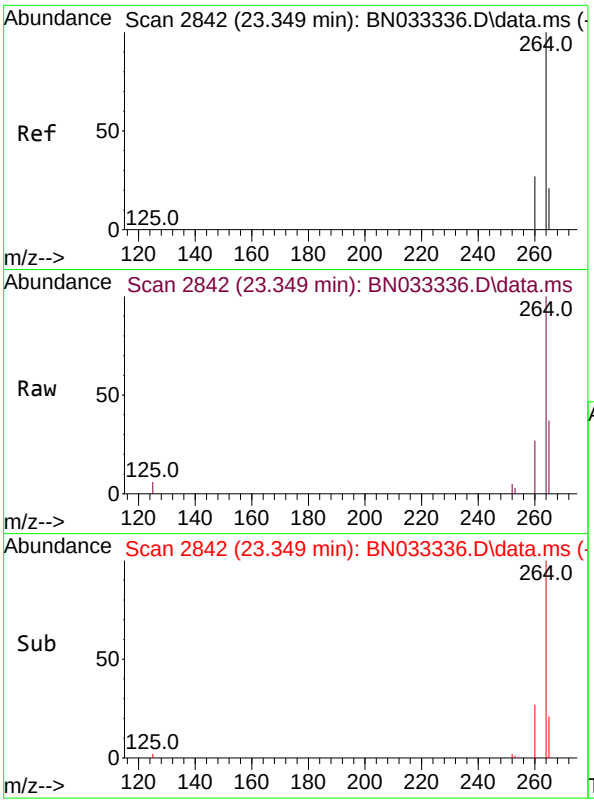


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.292 ng
RT: 21.130 min Scan# 2378
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:149 Resp: 11323

Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.9	31.3
279	2.8	2.2	3.4



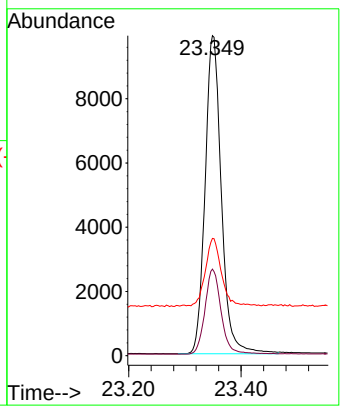


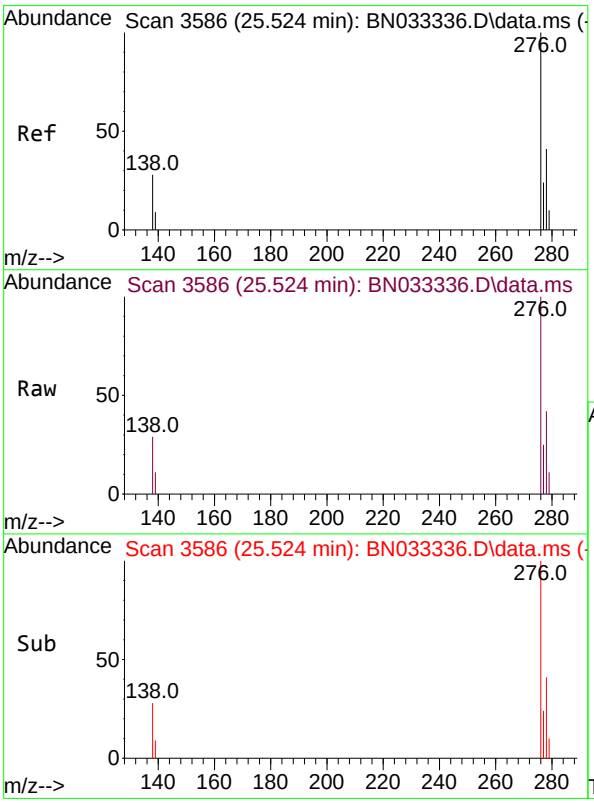
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 19885

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.6	32.4
265	36.6	29.3	43.9

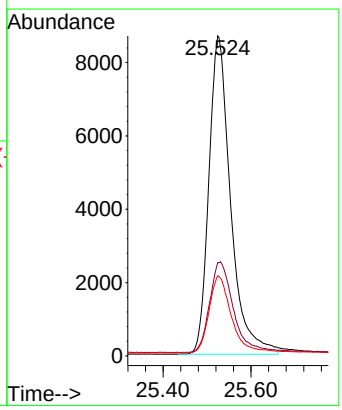


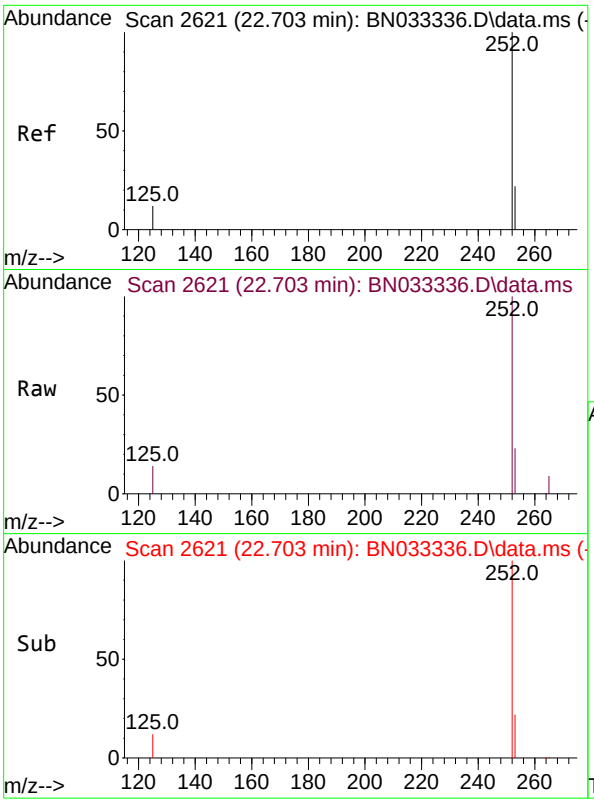


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.343 ng
RT: 25.524 min Scan# 3586
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:276 Resp: 29809

Ion	Ratio	Lower	Upper
276	100		
138	31.1	24.9	37.3
277	24.7	19.8	29.6



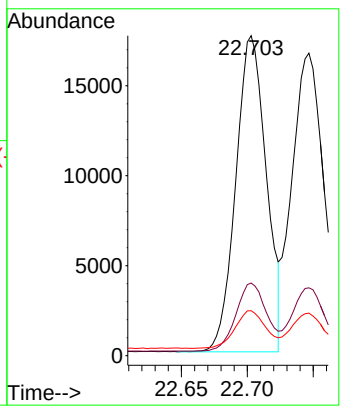


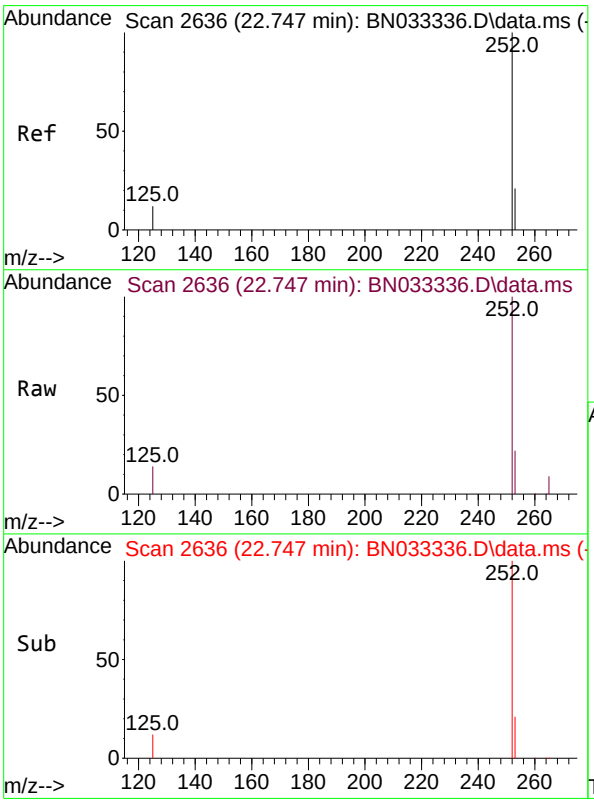
#37
Benzo(b)fluoranthene
Concen: 0.382 ng
RT: 22.703 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 28235

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	14.1	11.3	16.9

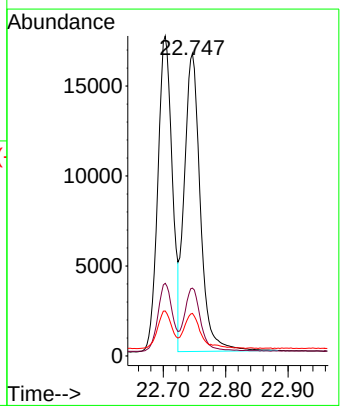


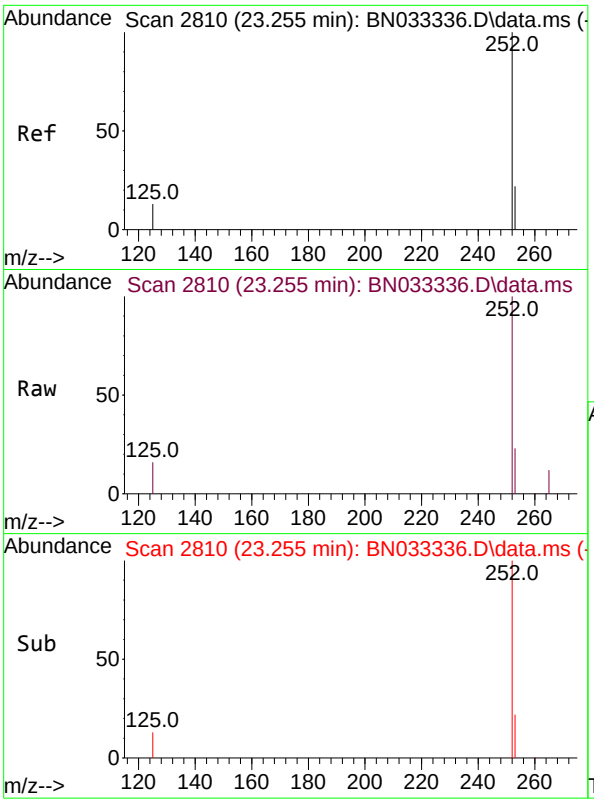


#38
Benzo(k)fluoranthene
Concen: 0.412 ng
RT: 22.747 min Scan# 2636
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:252 Resp: 29564

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.1	11.3	16.9



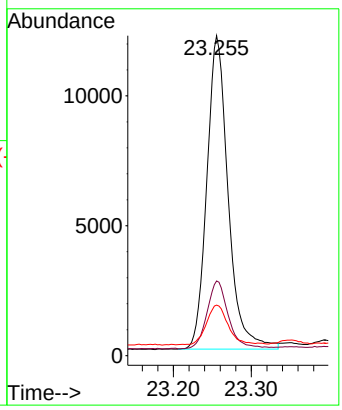


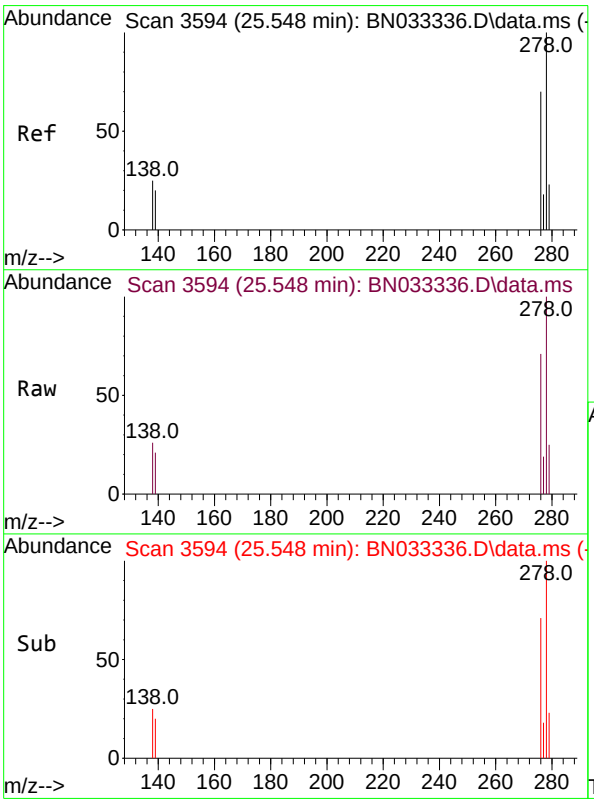
#39
Benzo(a)pyrene
Concen: 0.350 ng
RT: 23.255 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 22964

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	15.8	12.6	19.0

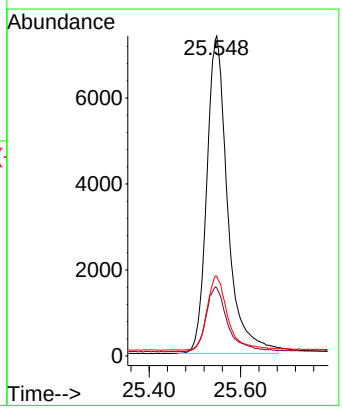


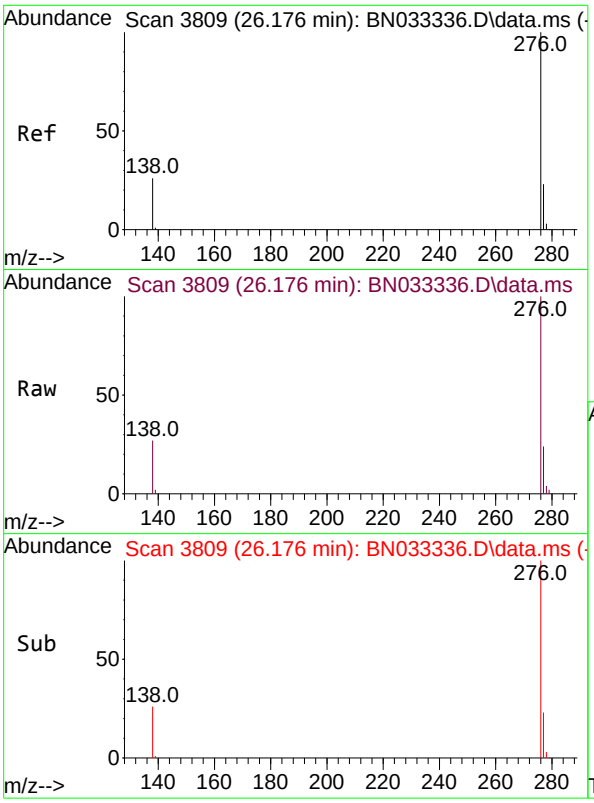


#40
Dibenzo(a,h)anthracene
Concen: 0.341 ng
RT: 25.548 min Scan# 3594
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Tgt Ion:278 Resp: 23448

Ion	Ratio	Lower	Upper
278	100		
139	21.3	17.0	25.6
279	25.0	20.0	30.0





#41
Benzo(g,h,i)perylene
Concen: 0.354 ng
RT: 26.176 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN033336.D
Acq: 10 Aug 2024 14:53

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 26432

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.2
138	27.0	21.6	32.4