Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070924\
Data File : BN032594.D
Acq On : 09 Jul 2024 19:34
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 10 01:01:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 02:39:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.588	152	4206	0.400	ng		0.00
7) Naphthalene-d8	10.368	136	13636	0.400	ng		-0.01
13) Acenaphthene-d10	14.231	164	9339	0.400	ng		0.00
19) Phenanthrene-d10	17.004	188	19680	0.400	ng		0.00
29) Chrysene-d12	21.211	240	13523	0.400	ng		0.00
35) Perylene-d12	23.423	264	13240	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.212	112	3705	0.349	ng		0.00
5) Phenol-d6	6.823	99	4662	0.343	ng		0.00
8) Nitrobenzene-d5	8.798	82	3331	0.327	ng		0.00
11) 2-Methylnaphthalene-d10	11.979	152	8323	0.386	ng		0.00
14) 2,4,6-Tribromophenol	15.763	330	1359	0.321	ng		0.00
15) 2-Fluorobiphenyl	12.863	172	12979	0.377	ng		0.00
27) Fluoranthene-d10	19.040	212	17789	0.347	ng		0.00
31) Terphenyl-d14	19.648	244	13067	0.396	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.161	88	2129	0.384	ng		100
3) n-Nitrosodimethylamine	3.486	42	1560	0.388	ng		98
6) bis(2-Chloroethyl)ether	7.039	93	3213	0.357	ng		94
9) Naphthalene	10.421	128	14354	0.385	ng		99
10) Hexachlorobutadiene	10.667	225	2852	0.384	ng	#	99
12) 2-Methylnaphthalene	12.058	142	9598	0.385	ng		100
16) Acenaphthylene	13.953	152	13823	0.344	ng		99
17) Acenaphthene	14.296	154	10569	0.378	ng		99
18) Fluorene	15.300	166	13692	0.374	ng		100
20) 4,6-Dinitro-2-methylph...	15.493	198	558	0.379	ng		92
21) 4-Bromophenyl-phenylether	16.197	248	4555	0.390	ng		95
22) Hexachlorobenzene	16.284	284	5102	0.397	ng		98
23) Atrazine	16.482	200	2969	0.325	ng		98
24) Pentachlorophenol	16.681	266	1365	0.400	ng		99
25) Phenanthrene	17.041	178	19994	0.374	ng		100
26) Anthracene	17.140	178	14897	0.346	ng		99
28) Fluoranthene	19.072	202	22479	0.348	ng		100
30) Pyrene	19.435	202	23050	0.419	ng		100
32) Benzo(a)anthracene	21.202	228	14433	0.323	ng		100
33) Chrysene	21.247	228	22385	0.421	ng		100
34) Bis(2-ethylhexyl)phtha...	21.095	149	10044	0.330	ng		98
36) Indeno(1,2,3-cd)pyrene	25.671	276	20016	0.396	ng		100
37) Benzo(b)fluoranthene	22.759	252	16584	0.376	ng		97
38) Benzo(k)fluoranthene	22.803	252	20207	0.398	ng		97
39) Benzo(a)pyrene	23.338	252	15754	0.377	ng		95
40) Dibenzo(a,h)anthracene	25.677	278	15832	0.394	ng		100
41) Benzo(g,h,i)perylene	26.343	276	18102	0.414	ng		99

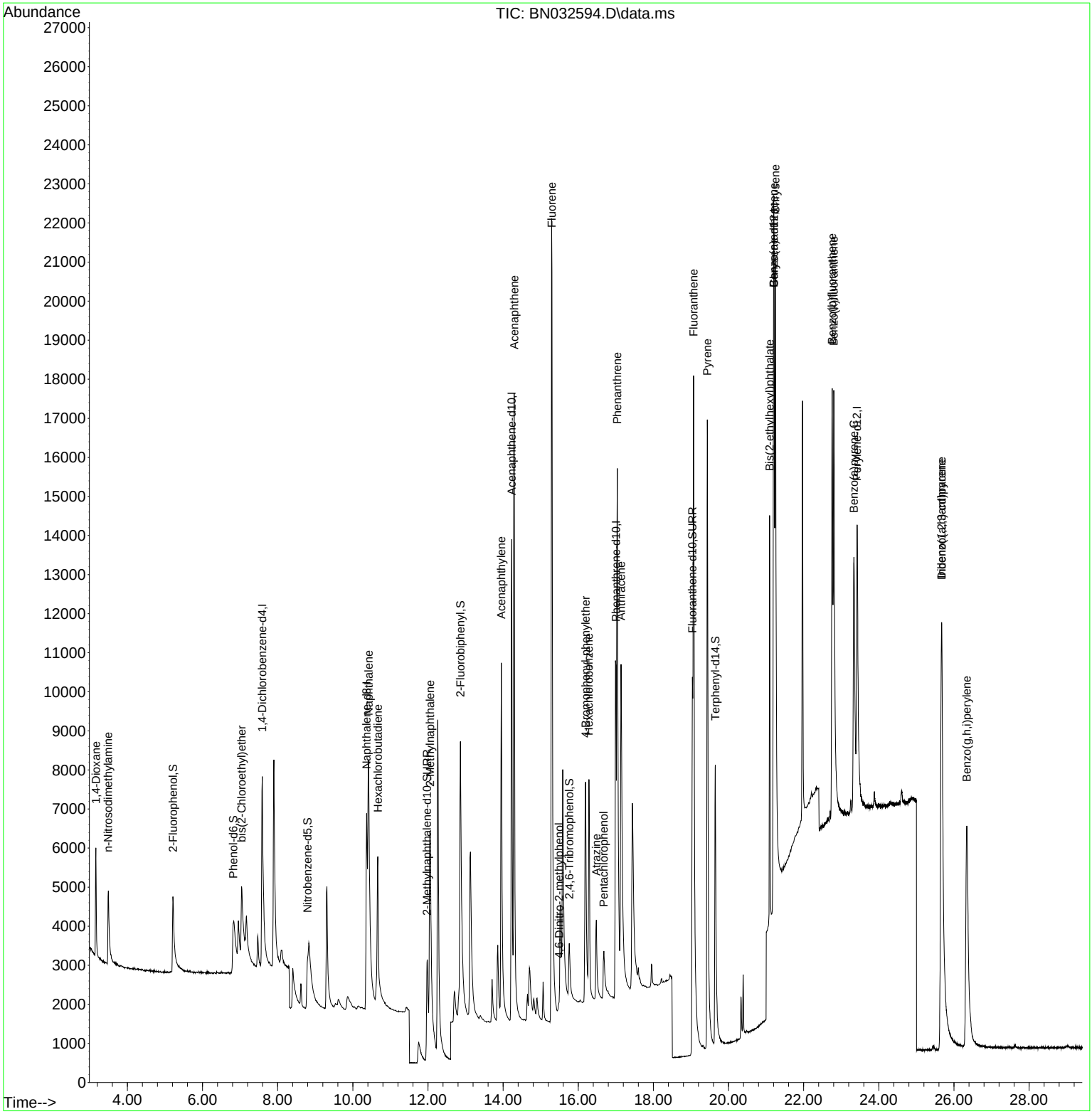
(#) = qualifier out of range (m) = manual integration (+) = signals summed

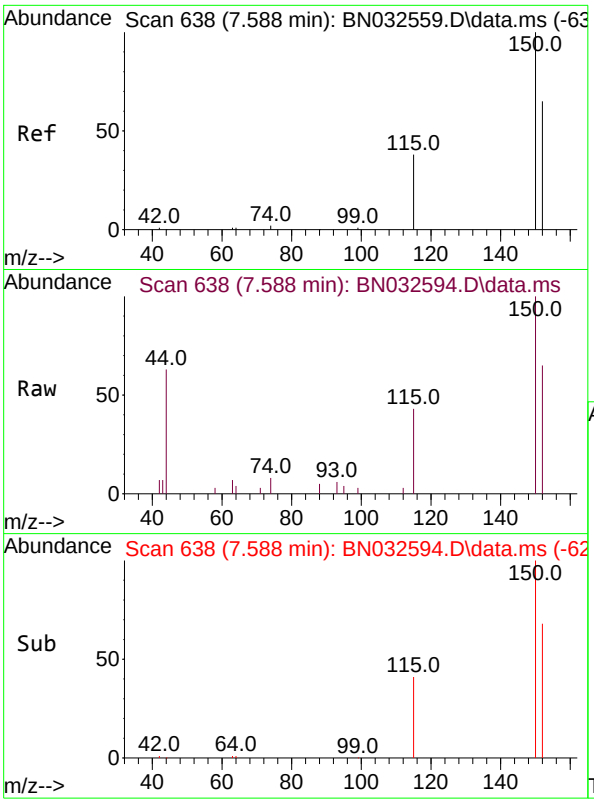
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070924\
Data File : BN032594.D
Acq On : 09 Jul 2024 19:34
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 10 01:01:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 02:39:48 2024
Response via : Initial Calibration



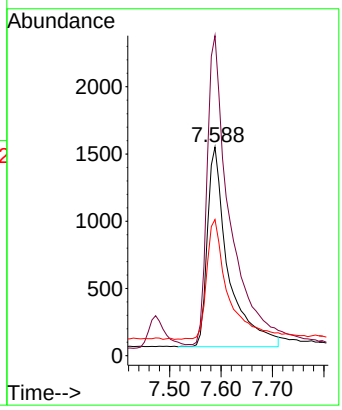


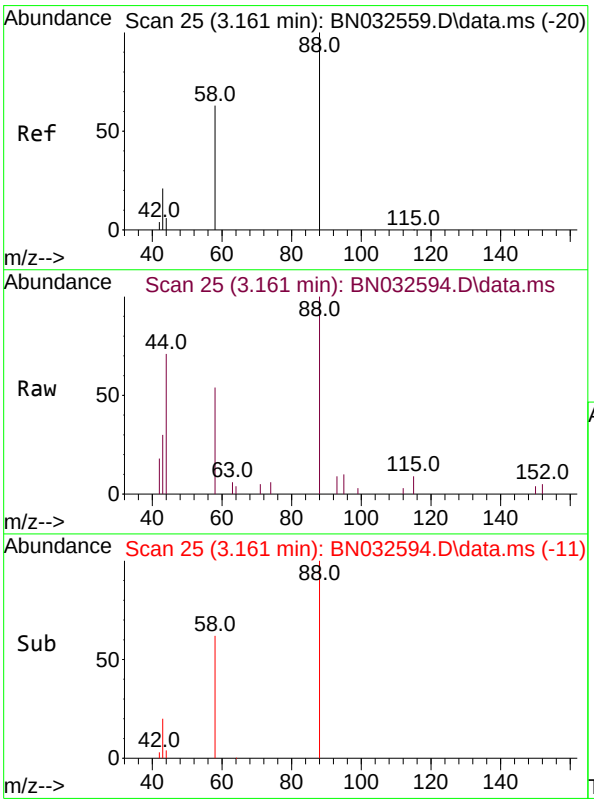
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.588 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4206

Ion	Ratio	Lower	Upper
152	100		
150	153.4	121.6	182.4
115	65.3	53.1	79.7

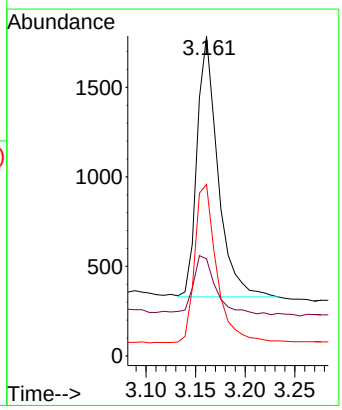


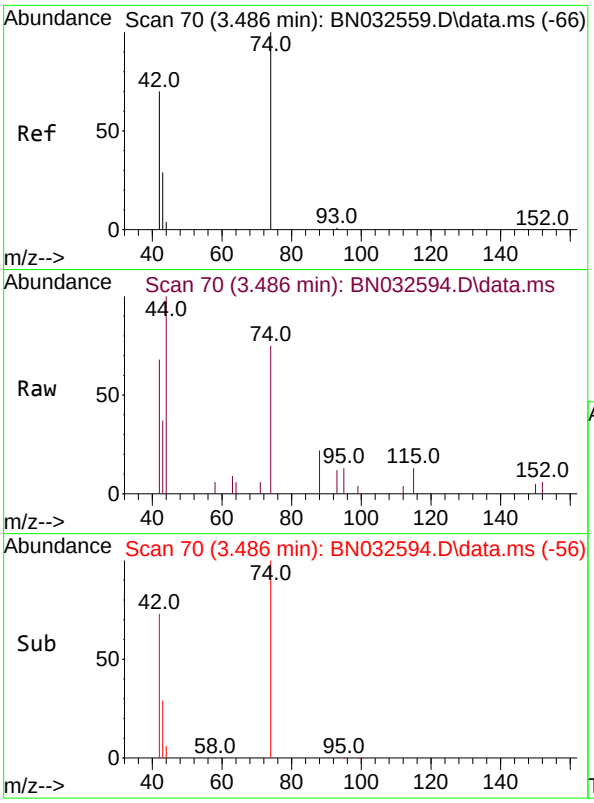


#2
1,4-Dioxane
Concen: 0.384 ng
RT: 3.161 min Scan# 25
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion: 88 Resp: 2129

Ion	Ratio	Lower	Upper
88	100		
43	24.9	20.4	30.6
58	63.7	51.0	76.6



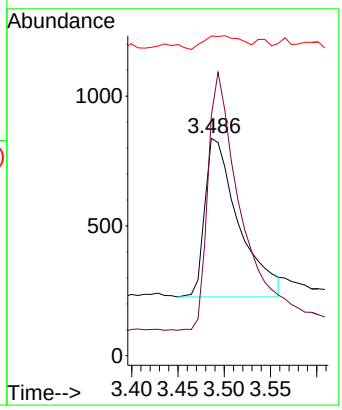


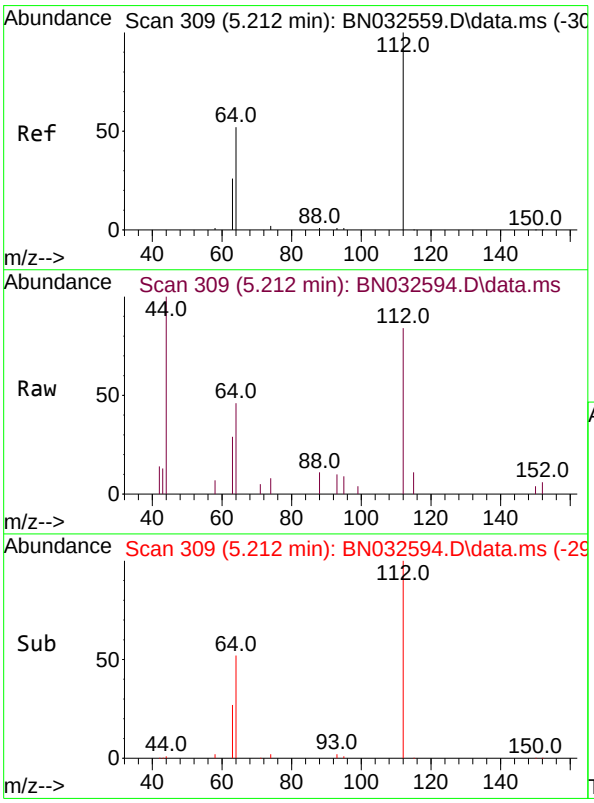
#3
n-Nitrosodimethylamine
Concen: 0.388 ng
RT: 3.486 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1560

Ion	Ratio	Lower	Upper
42	100		
74	155.6	126.8	190.2
44	9.5	8.7	13.1

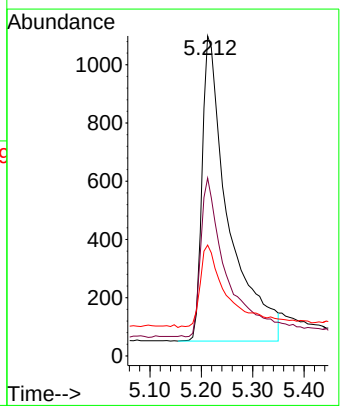


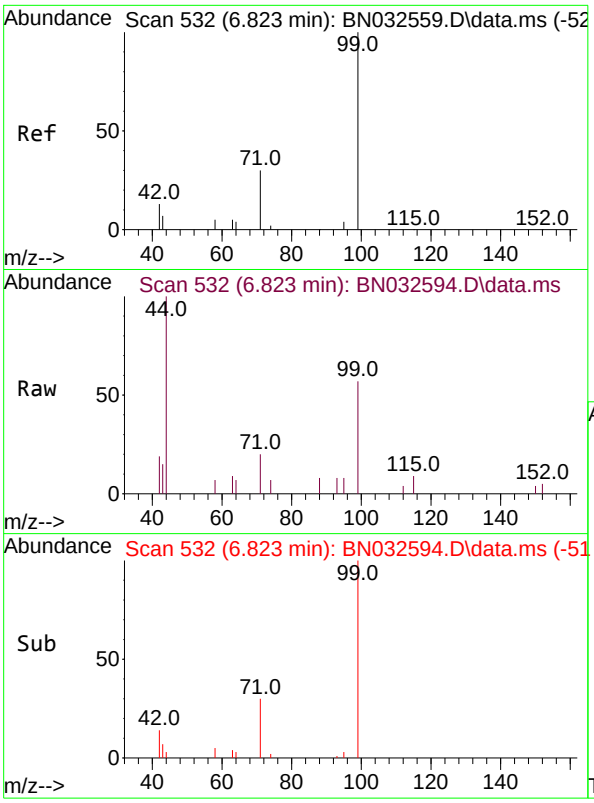


#4
2-Fluorophenol
Concen: 0.349 ng
RT: 5.212 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:112 Resp: 3705

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.2	61.8
63	27.2	21.6	32.4



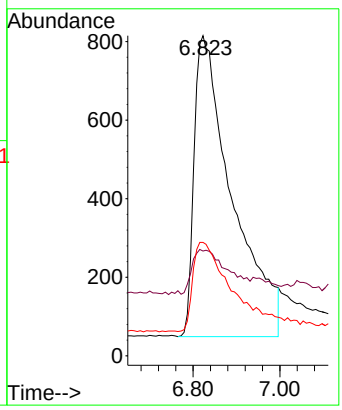


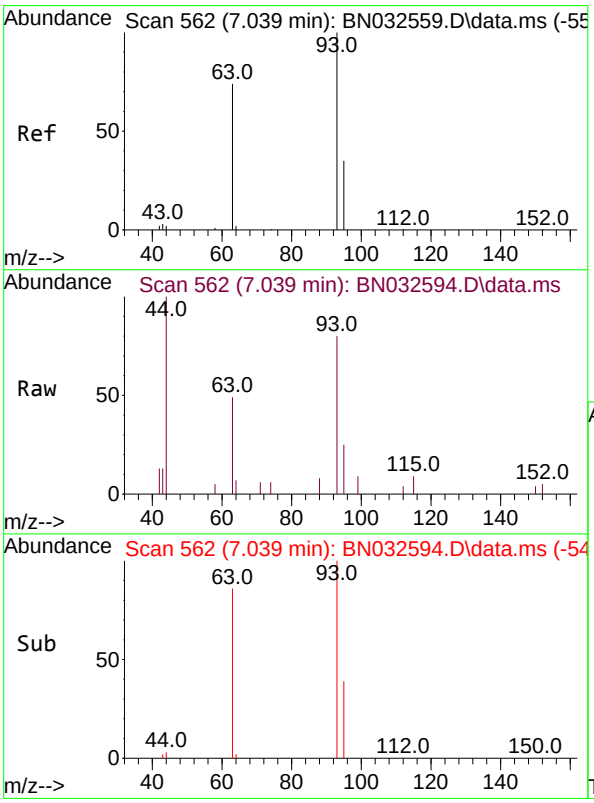
#5
Phenol-d6
Concen: 0.343 ng
RT: 6.823 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4662

Ion	Ratio	Lower	Upper
99	100		
42	14.4	10.6	16.0
71	30.7	25.2	37.8

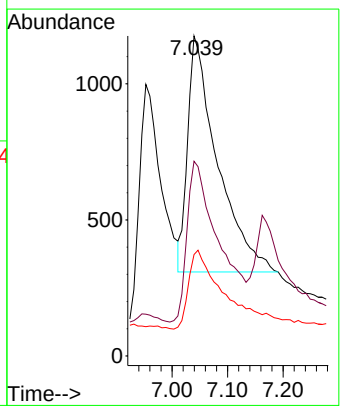


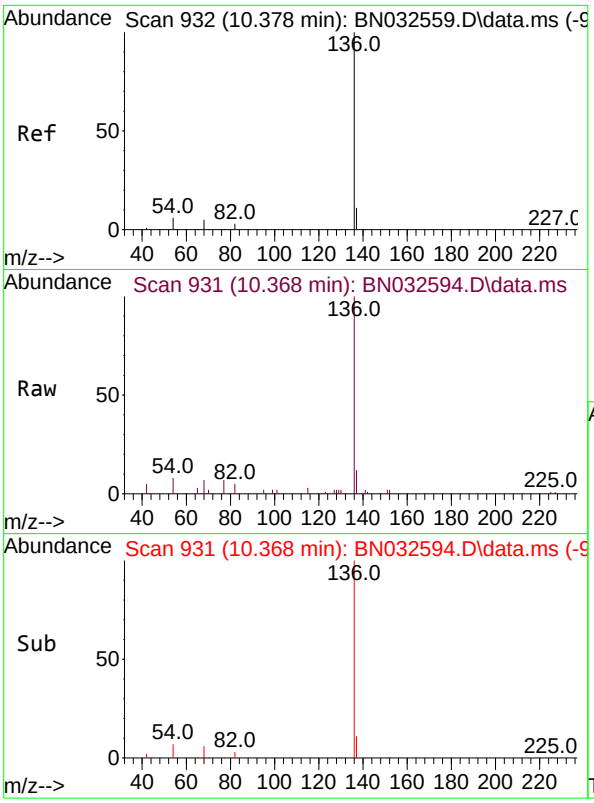


#6
bis(2-Chloroethyl)ether
Concen: 0.357 ng
RT: 7.039 min Scan# 562
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion: 93 Resp: 3213

Ion	Ratio	Lower	Upper
93	100		
63	73.1	54.1	81.1
95	41.5	30.5	45.7



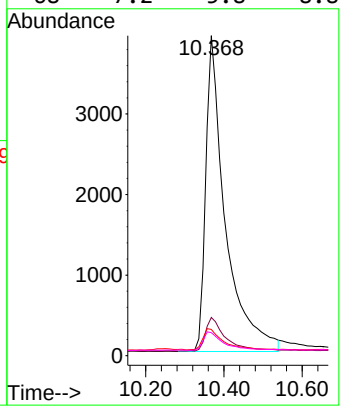


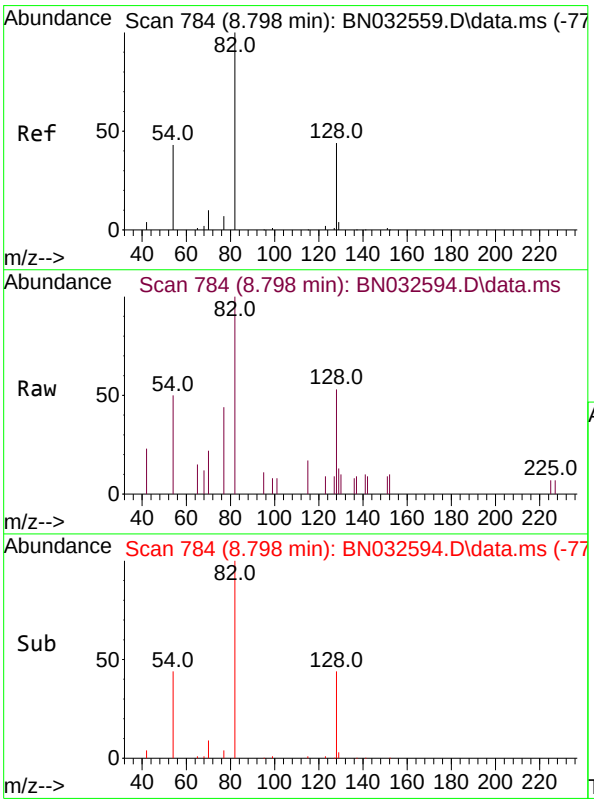
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.368 min Scan# 9
Delta R.T. -0.010 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 13636

Ion	Ratio	Lower	Upper
136	100		
137	11.9	10.0	15.0
54	8.2	6.6	9.8
68	7.2	5.8	8.8

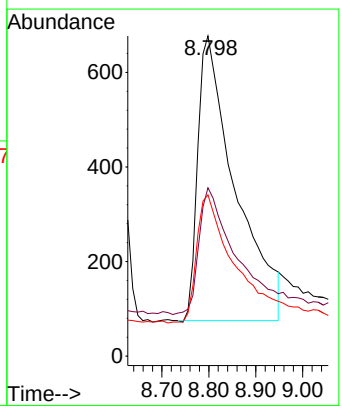


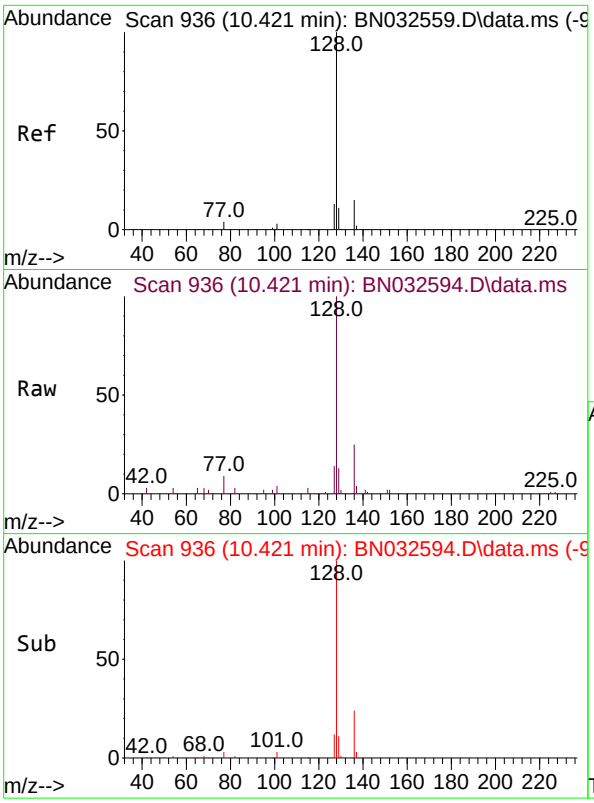


#8
Nitrobenzene-d5
Concen: 0.327 ng
RT: 8.798 min Scan# 784
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion: 82 Resp: 3331

Ion	Ratio	Lower	Upper
82	100		
128	52.6	43.4	65.2
54	50.4	40.2	60.2



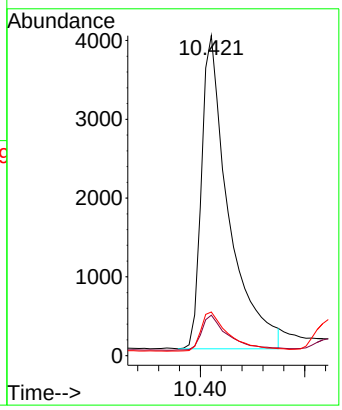


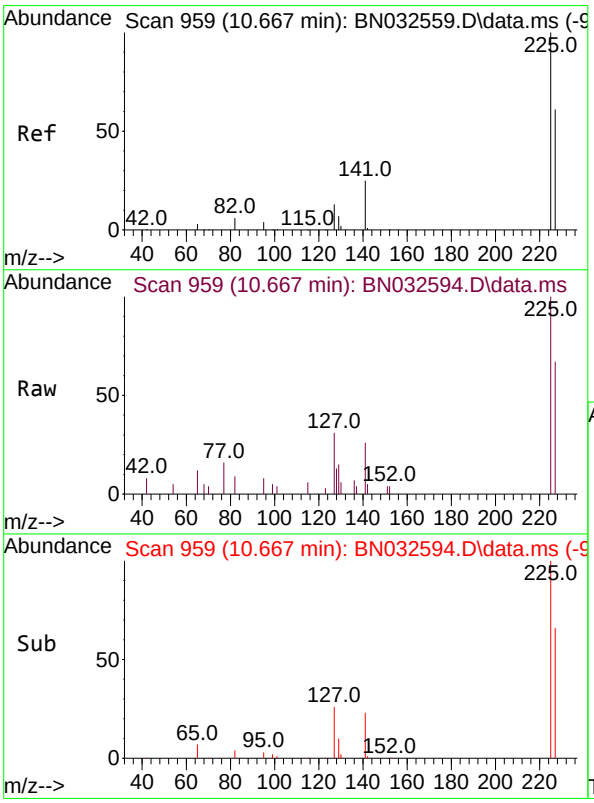
#9
Naphthalene
Concen: 0.385 ng
RT: 10.421 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 14354

Ion	Ratio	Lower	Upper
128	100		
129	12.7	10.2	15.4
127	13.7	11.4	17.0

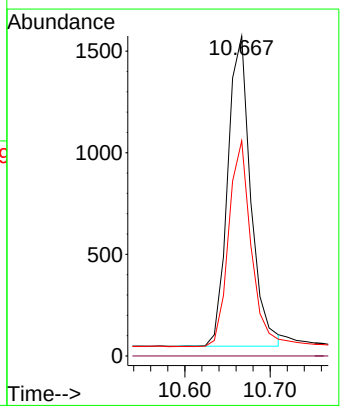


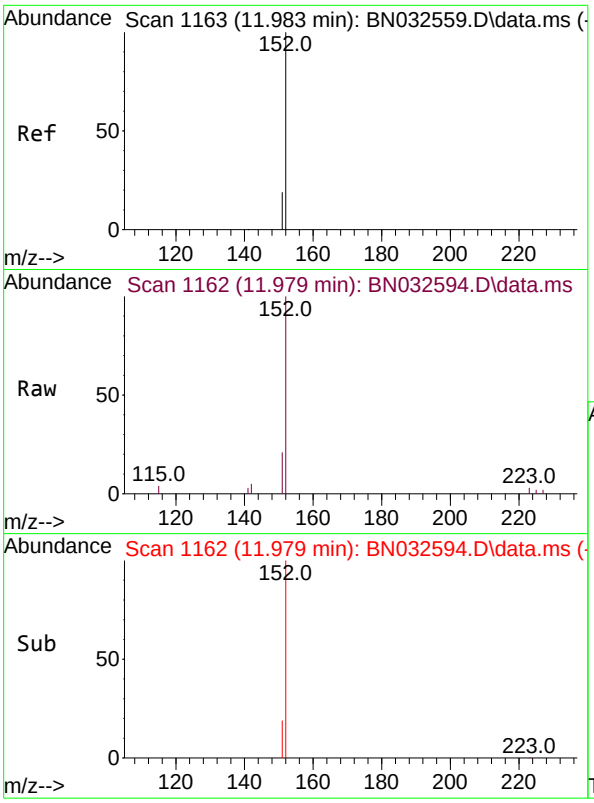


#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 10.667 min Scan# 959
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:225 Resp: 2852

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	50.6	76.0



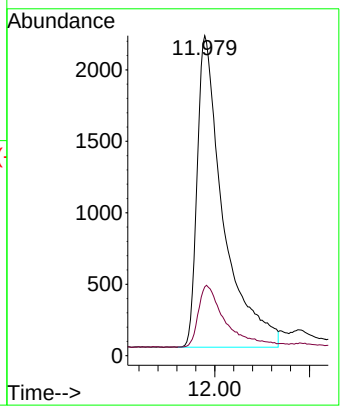


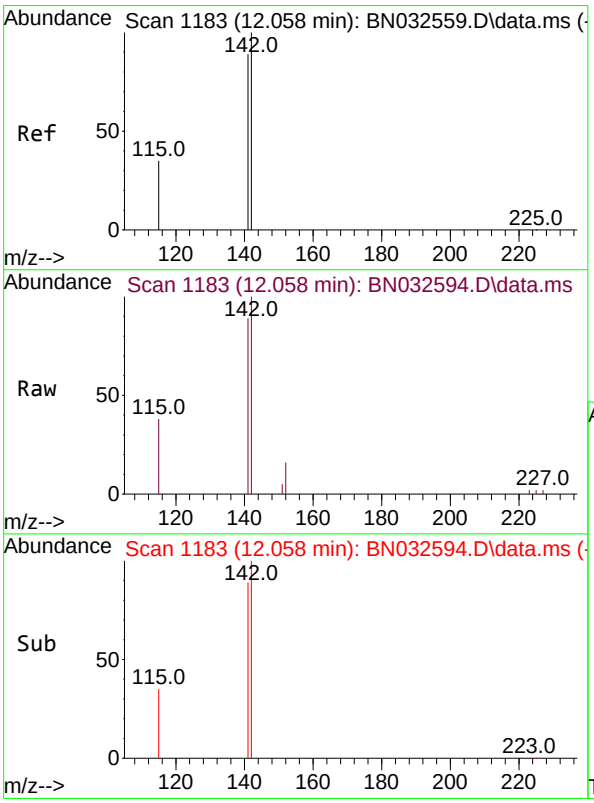
#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 11.979 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8323

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

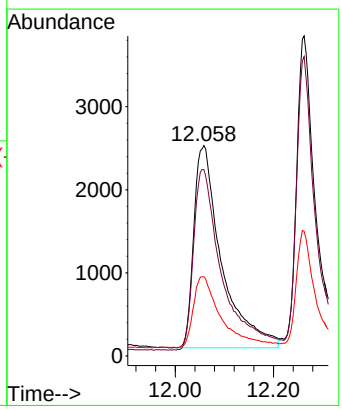


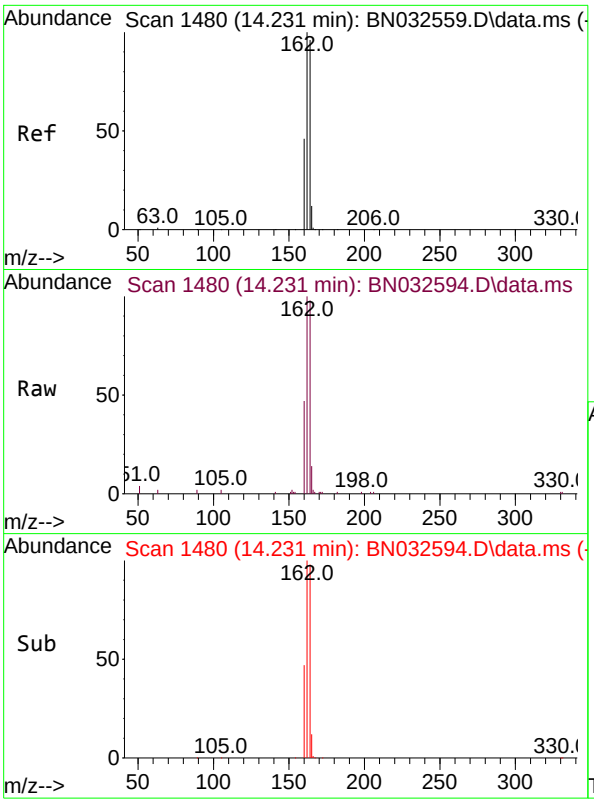


#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.058 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:142 Resp: 9598

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.0	106.6
115	37.6	30.5	45.7



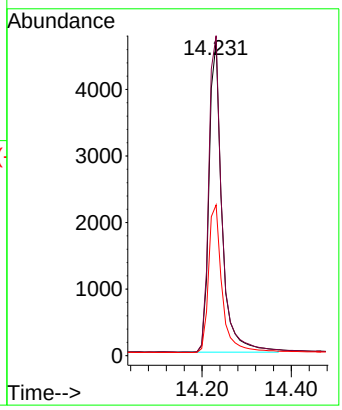


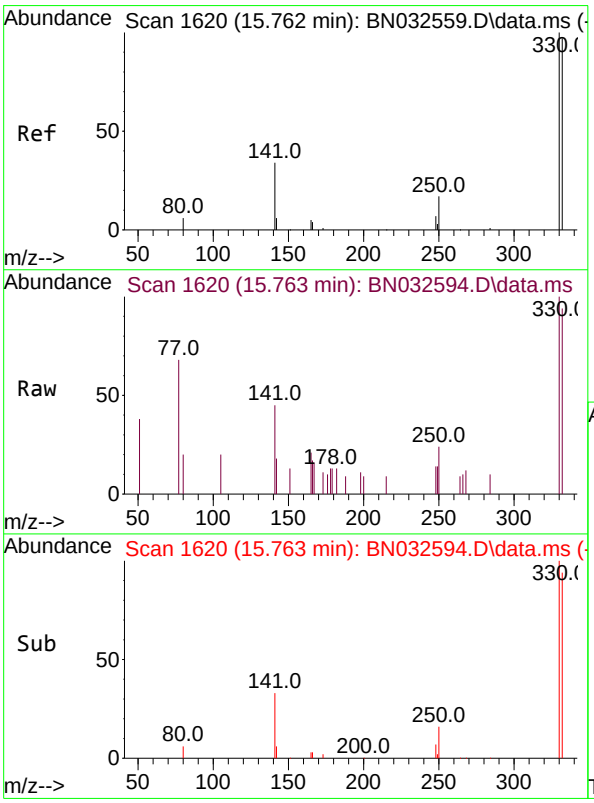
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.231 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 9339

Ion	Ratio	Lower	Upper
164	100		
162	102.1	83.2	124.8
160	48.1	38.6	57.8

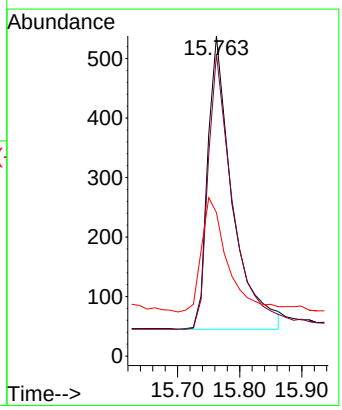


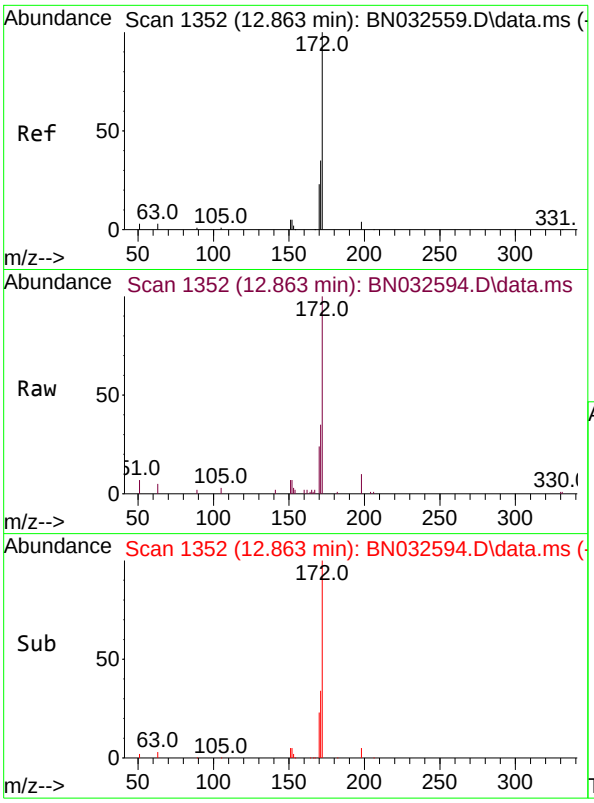


#14
2,4,6-Tribromophenol
Concen: 0.321 ng
RT: 15.763 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:330 Resp: 1359

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.7	116.5
141	41.1	31.8	47.8



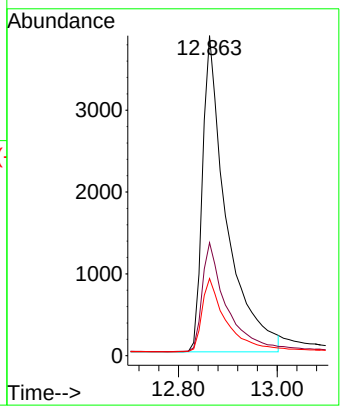


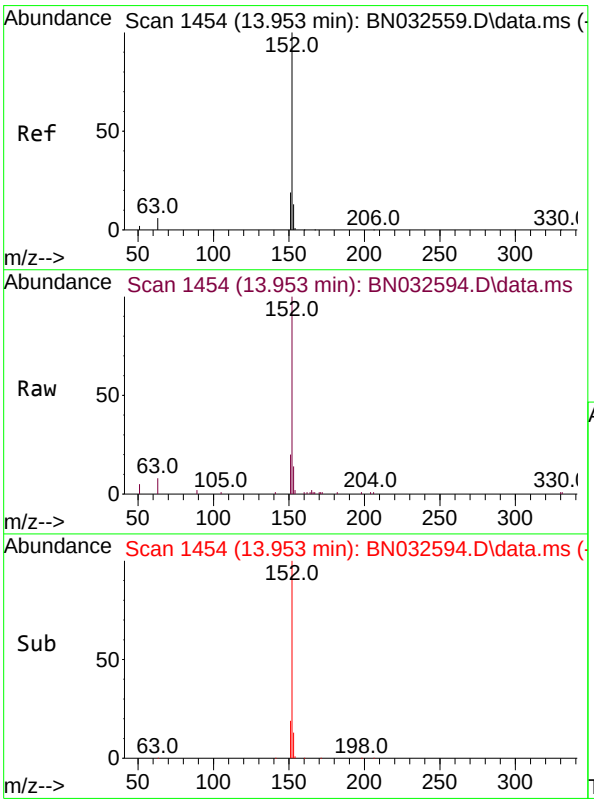
#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 12979

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	24.1	19.2	28.8

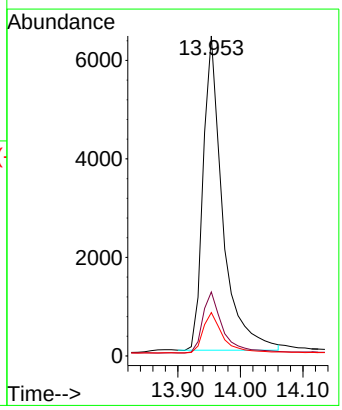


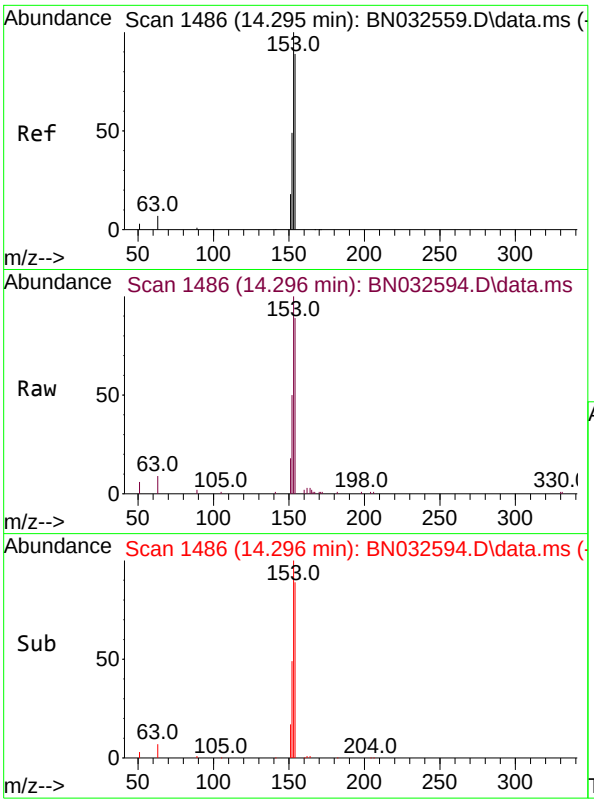


#16
Acenaphthylene
Concen: 0.344 ng
RT: 13.953 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:152 Resp: 13823

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.6	23.4
153	13.0	10.5	15.7



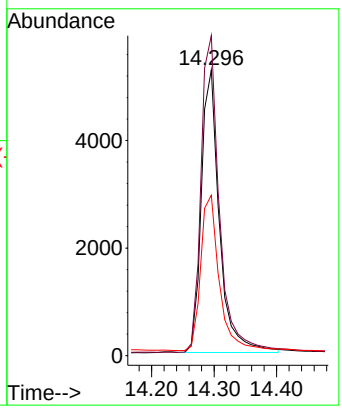


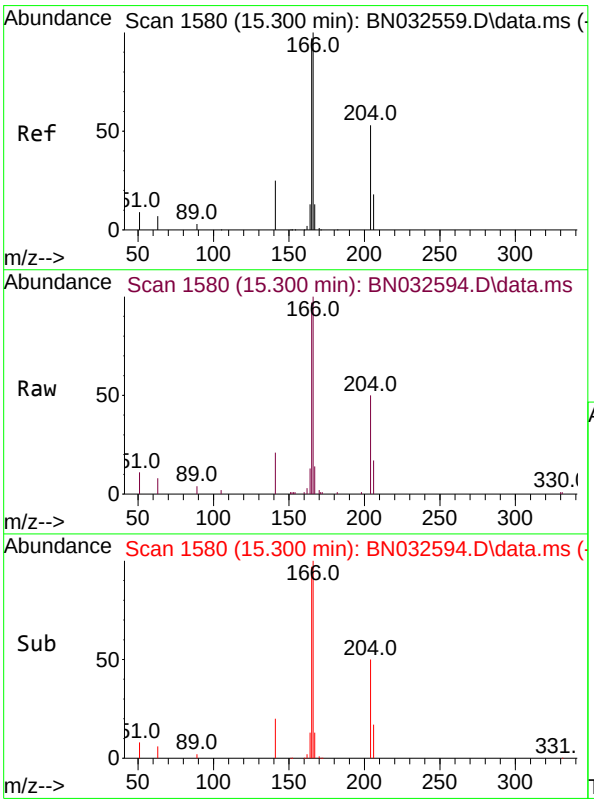
#17
Acenaphthene
Concen: 0.378 ng
RT: 14.296 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 10569

Ion	Ratio	Lower	Upper
154	100		
153	114.2	90.9	136.3
152	56.6	44.4	66.6

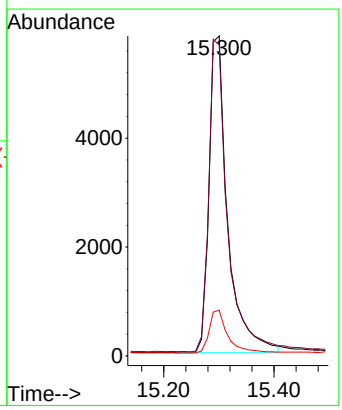


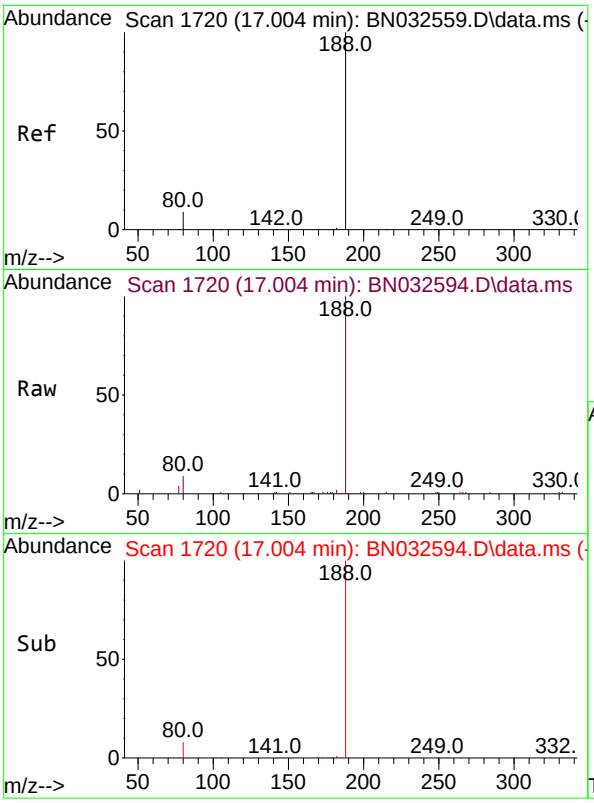


#18
Fluorene
Concen: 0.374 ng
RT: 15.300 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:166 Resp: 13692

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.7	118.1
167	13.5	10.7	16.1



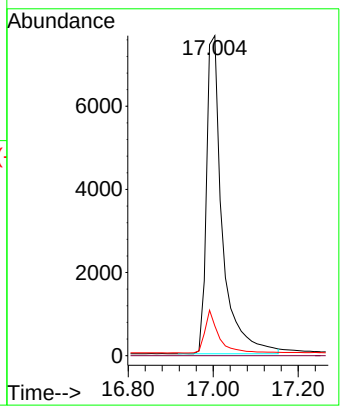


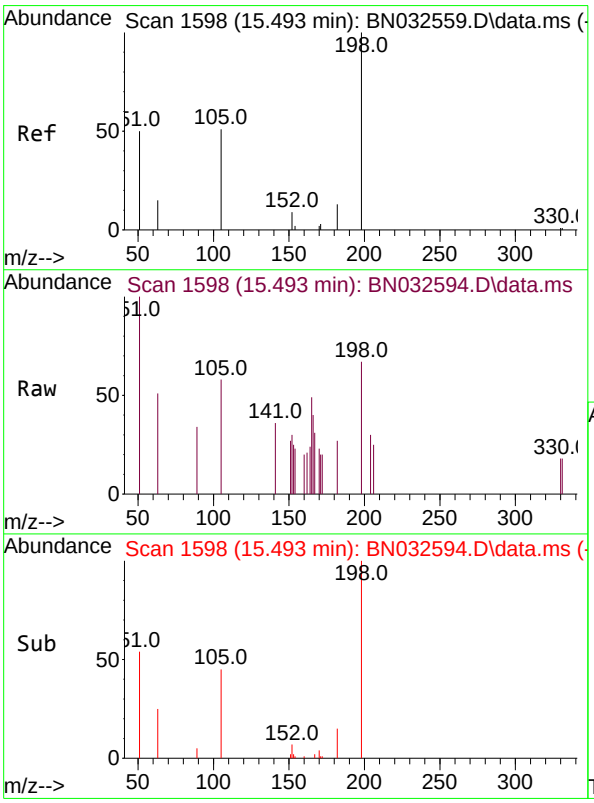
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 19680

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	7.8	11.6

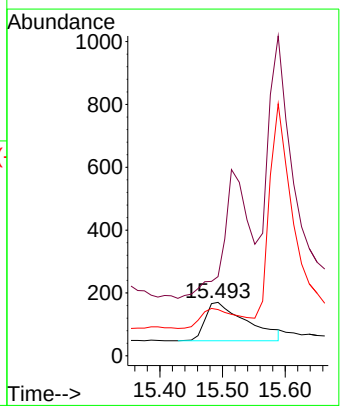


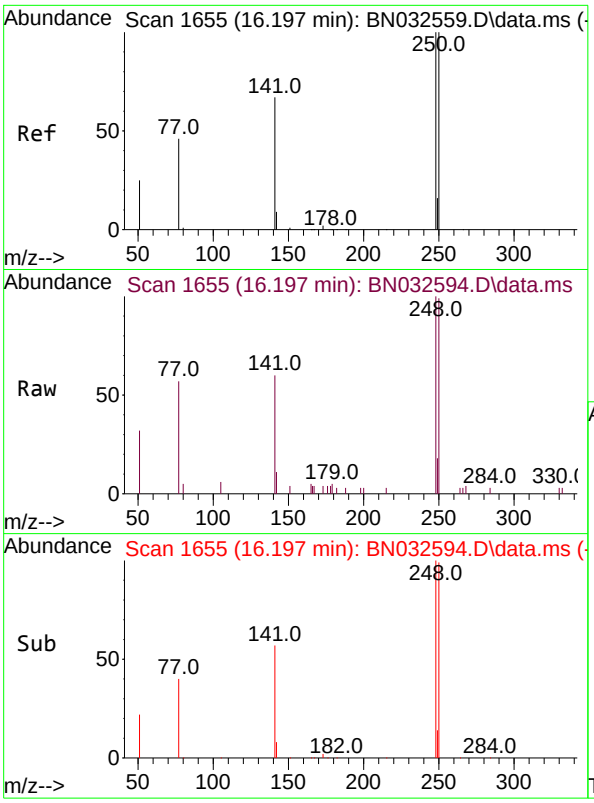


#20
4,6-Dinitro-2-methylphenol
Concen: 0.379 ng
RT: 15.493 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:198 Resp: 558

Ion	Ratio	Lower	Upper
198	100		
51	148.2	123.4	185.2
105	86.5	79.5	119.3



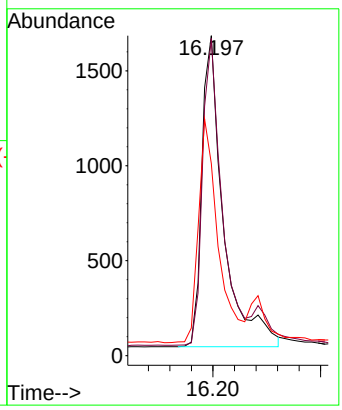


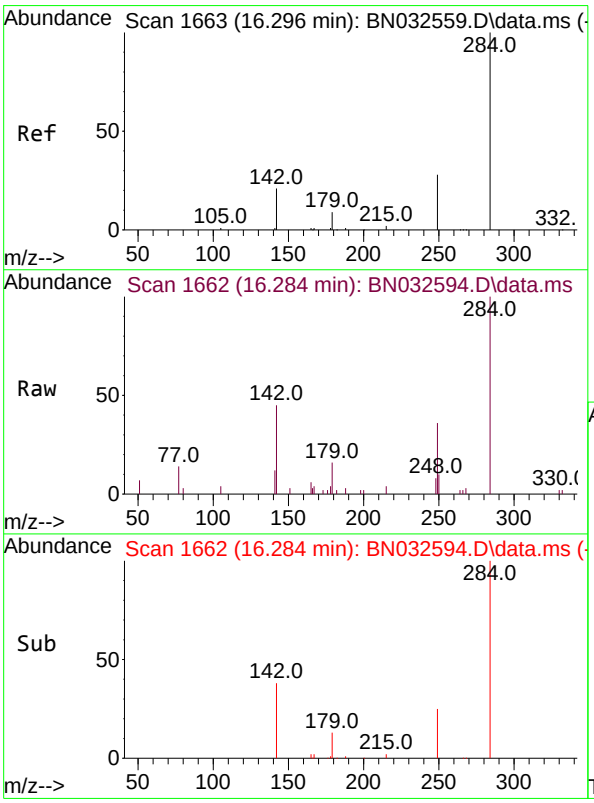
#21
4-Bromophenyl-phenylether
Concen: 0.390 ng
RT: 16.197 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4555

Ion	Ratio	Lower	Upper
248	100		
250	99.1	80.2	120.2
141	60.1	55.7	83.5

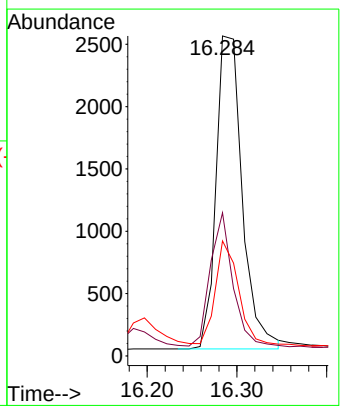


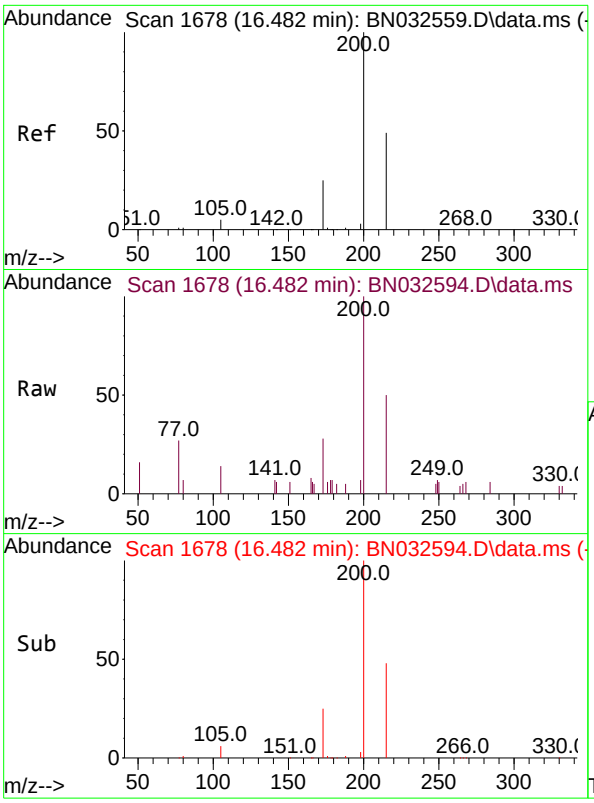


#22
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.284 min Scan# 1662
Delta R.T. -0.012 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:284 Resp: 5102

Ion	Ratio	Lower	Upper
284	100		
142	36.2	27.6	41.4
249	28.6	23.6	35.4



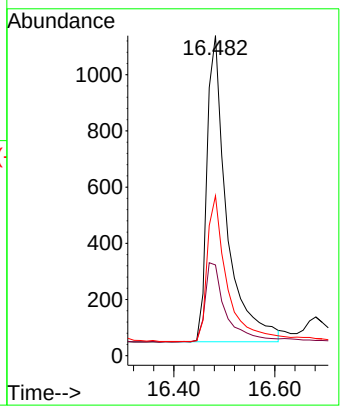


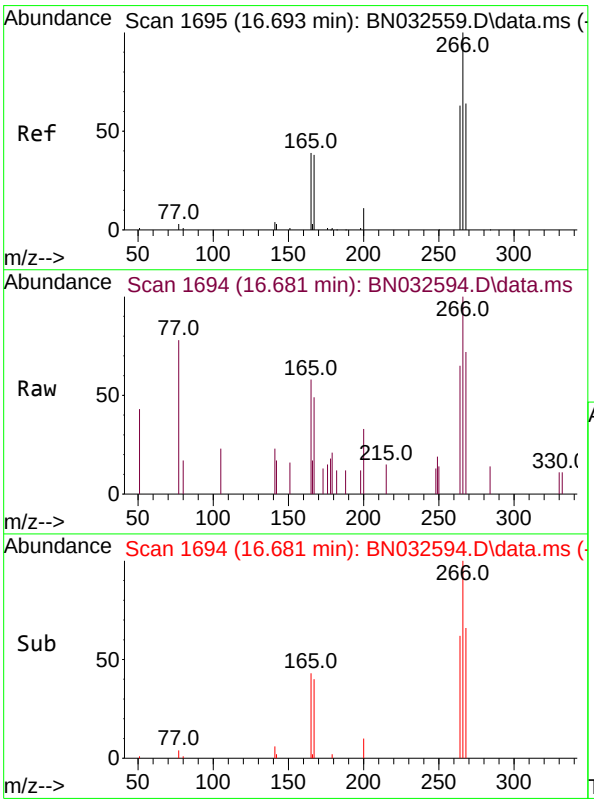
#23
Atrazine
Concen: 0.325 ng
RT: 16.482 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2969

Ion	Ratio	Lower	Upper
200	100		
173	28.4	22.3	33.5
215	50.0	41.0	61.6

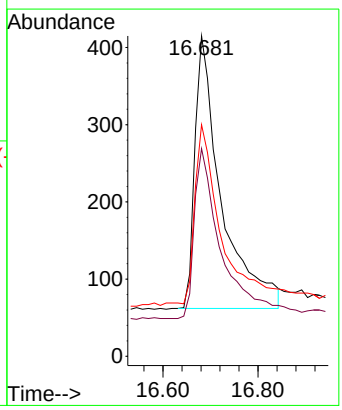


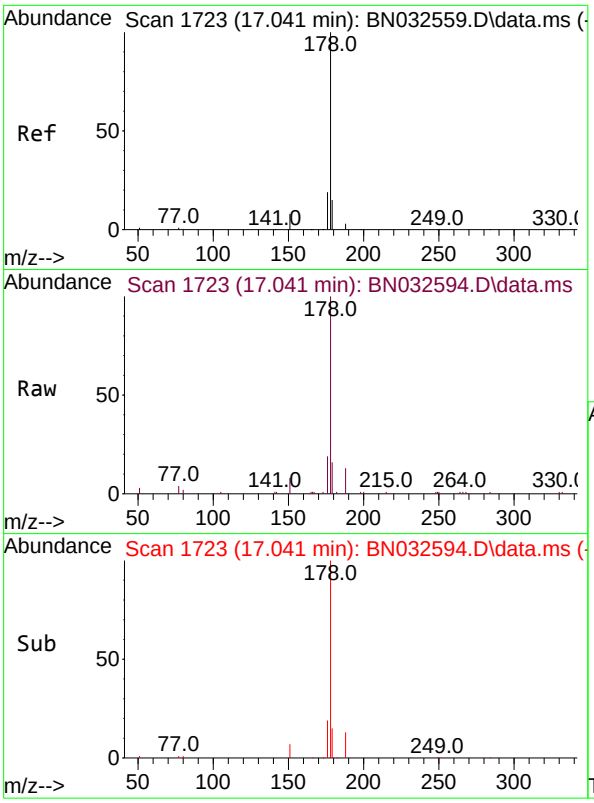


#24
Pentachlorophenol
Concen: 0.400 ng
RT: 16.681 min Scan# 1694
Delta R.T. -0.012 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:266 Resp: 1365

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.6	74.4
268	64.2	52.2	78.2



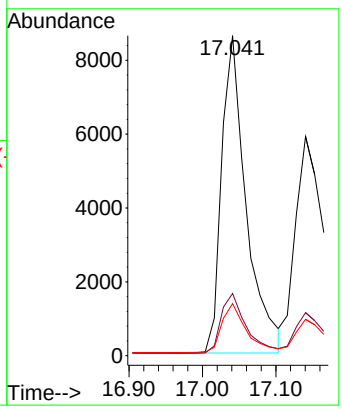


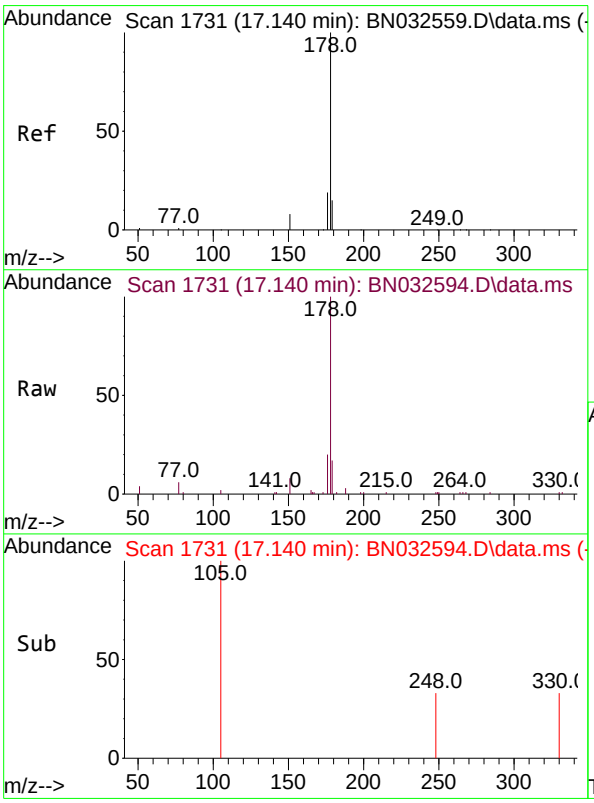
#25
Phenanthrene
Concen: 0.374 ng
RT: 17.041 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 19994

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.3	12.2	18.4

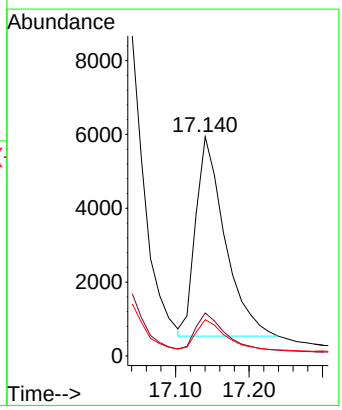


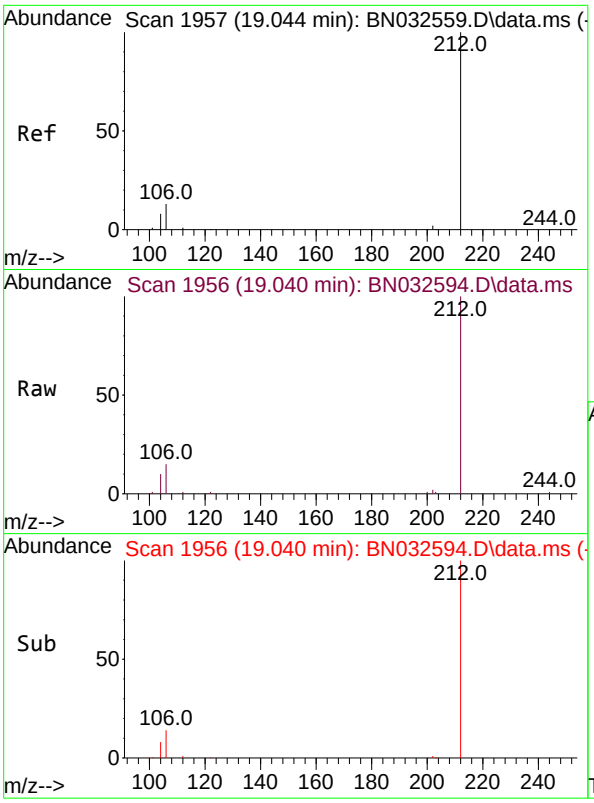


#26
Anthracene
Concen: 0.346 ng
RT: 17.140 min Scan# 1731
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:178 Resp: 14897

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.0	11.9	17.9



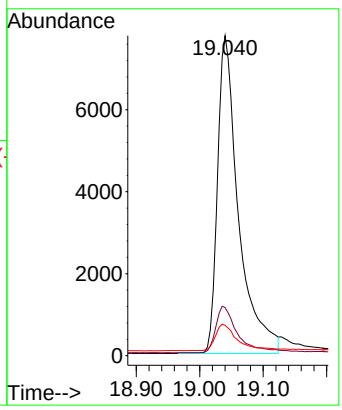


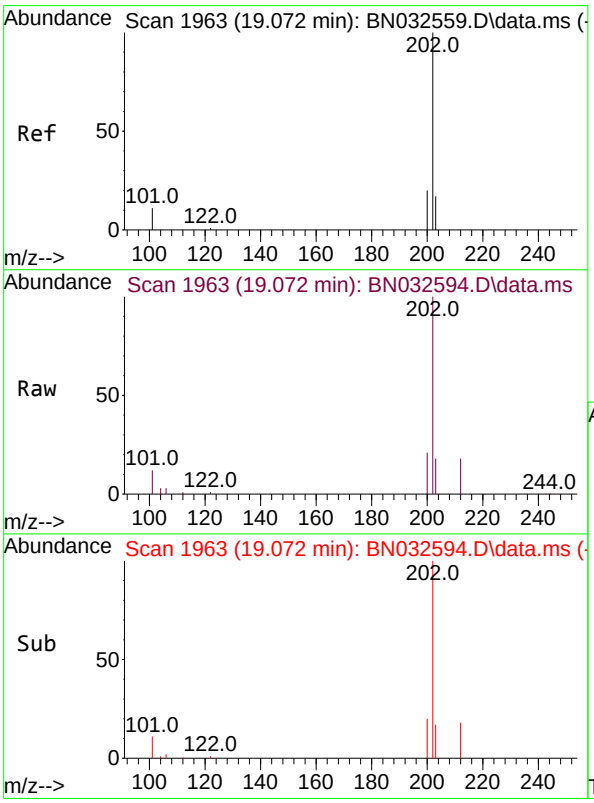
#27
Fluoranthene-d10
Concen: 0.347 ng
RT: 19.040 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 17789

Ion	Ratio	Lower	Upper
212	100		
106	15.0	11.8	17.8
104	8.7	6.9	10.3

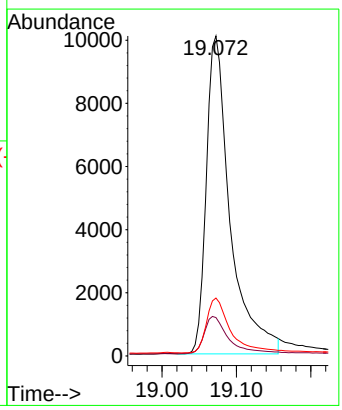


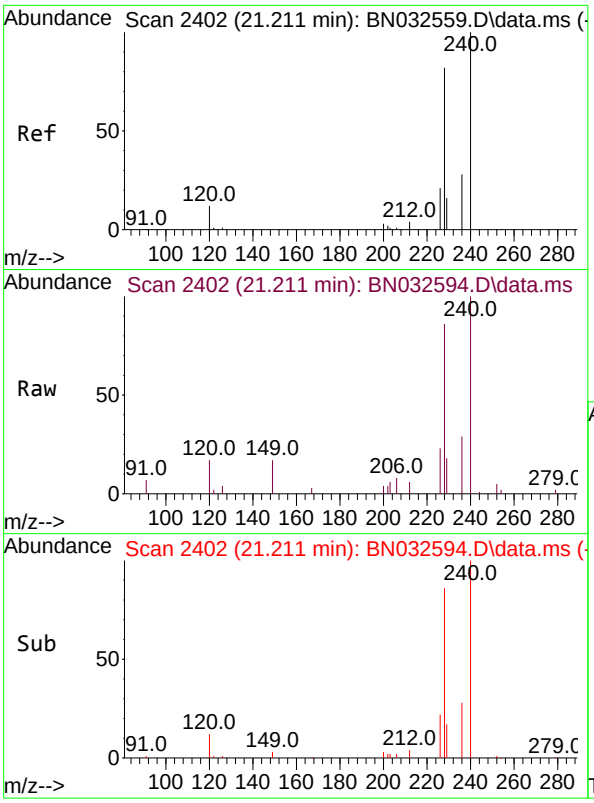


#28
Fluoranthene
Concen: 0.348 ng
RT: 19.072 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:202 Resp: 22479

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.5	14.3
203	17.2	13.8	20.6



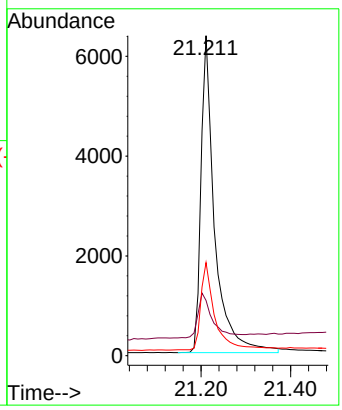


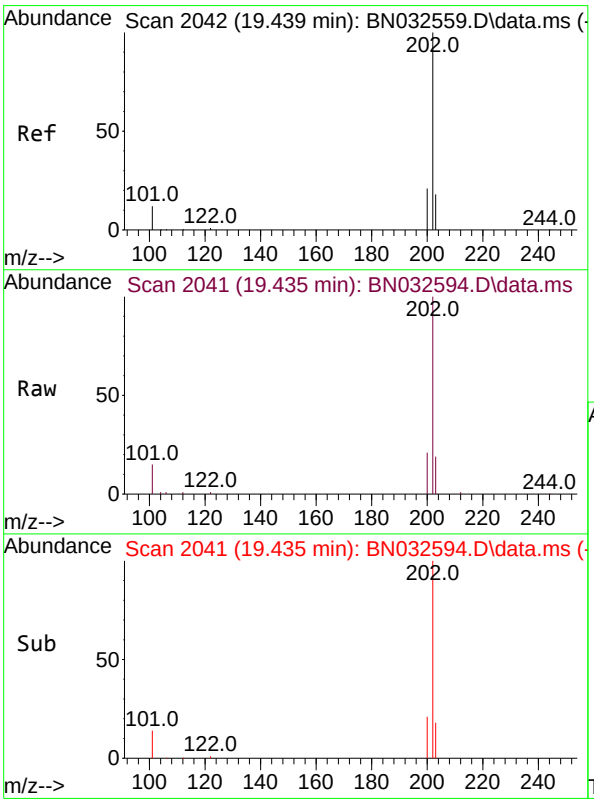
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.211 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 13523

Ion	Ratio	Lower	Upper
240	100		
120	17.3	13.0	19.4
236	29.1	23.1	34.7

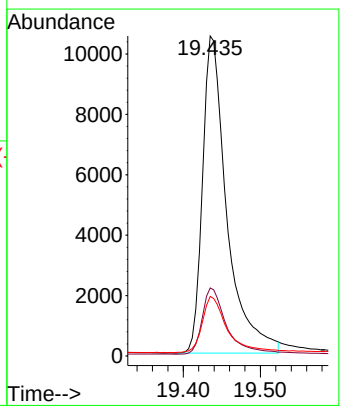


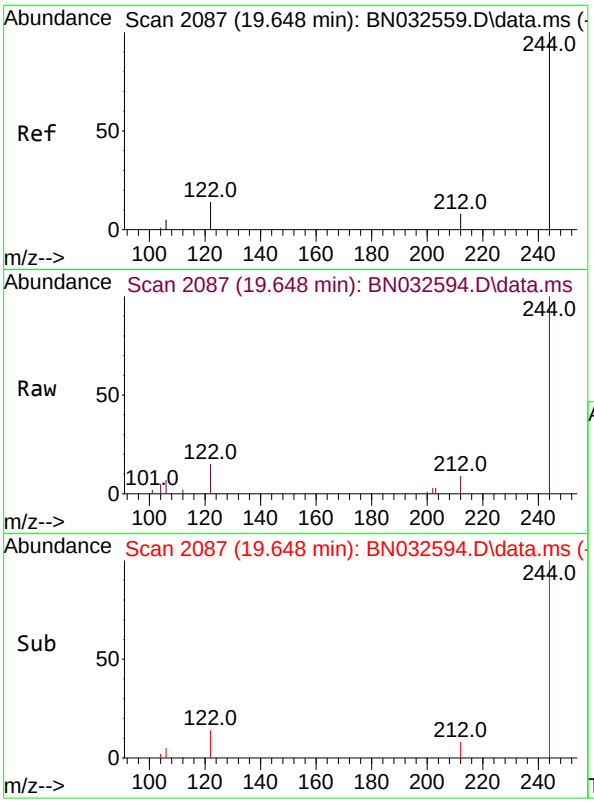


#30
Pyrene
Concen: 0.419 ng
RT: 19.435 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:202 Resp: 23050

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	18.0	14.4	21.6



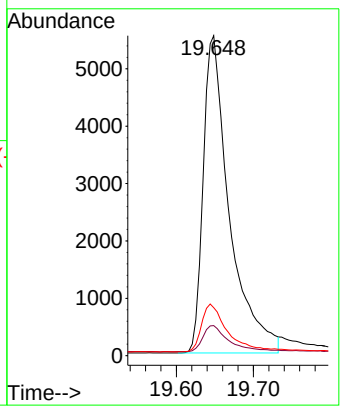


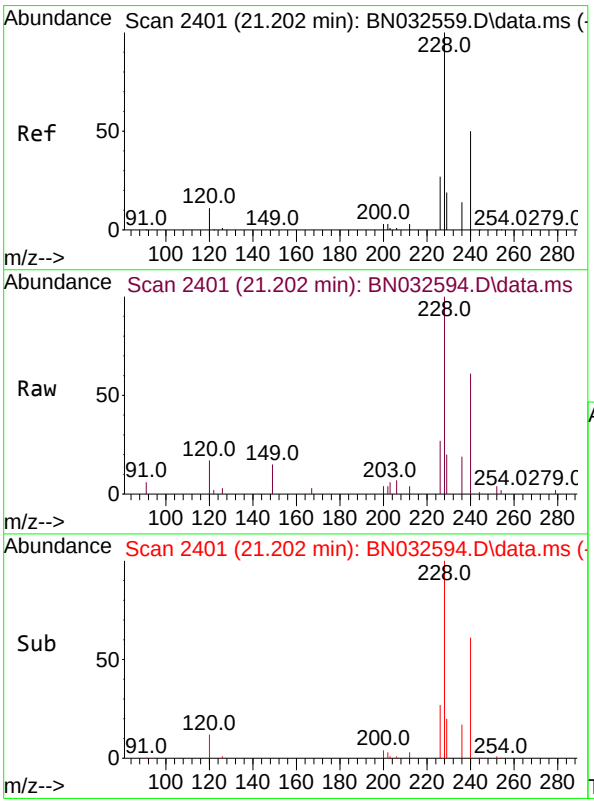
#31
Terphenyl-d14
Concen: 0.396 ng
RT: 19.648 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 13067

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.2	10.8
122	15.0	12.1	18.1

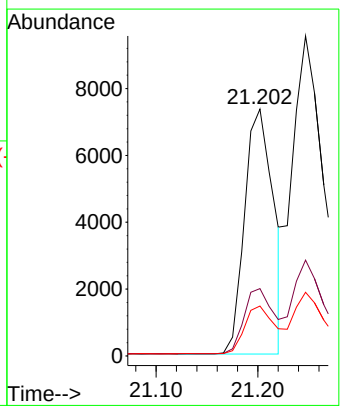


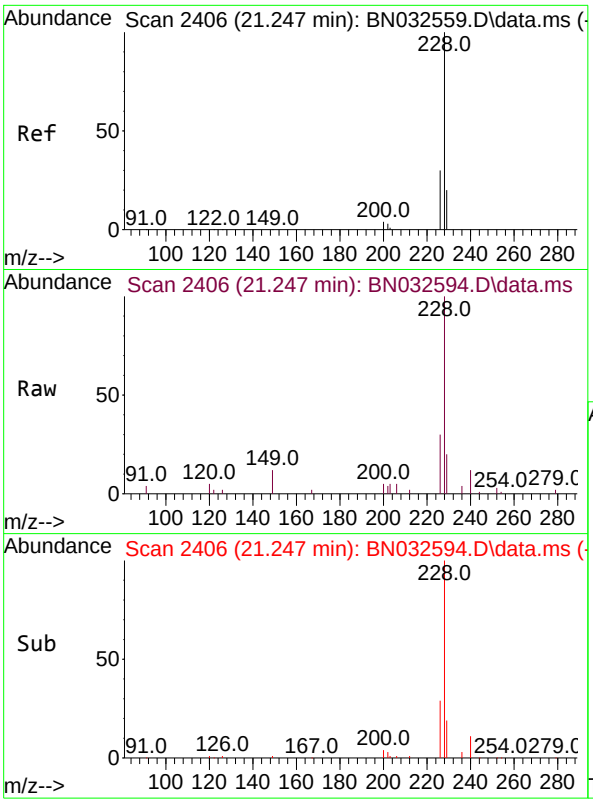


#32
Benzo(a)anthracene
Concen: 0.323 ng
RT: 21.202 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:228 Resp: 14433

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	20.2	16.0	24.0



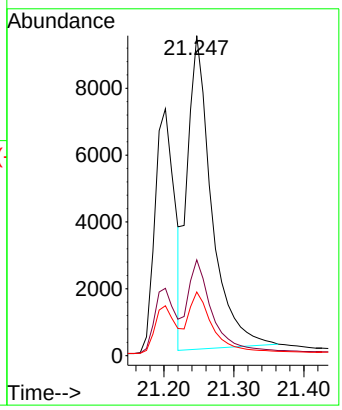


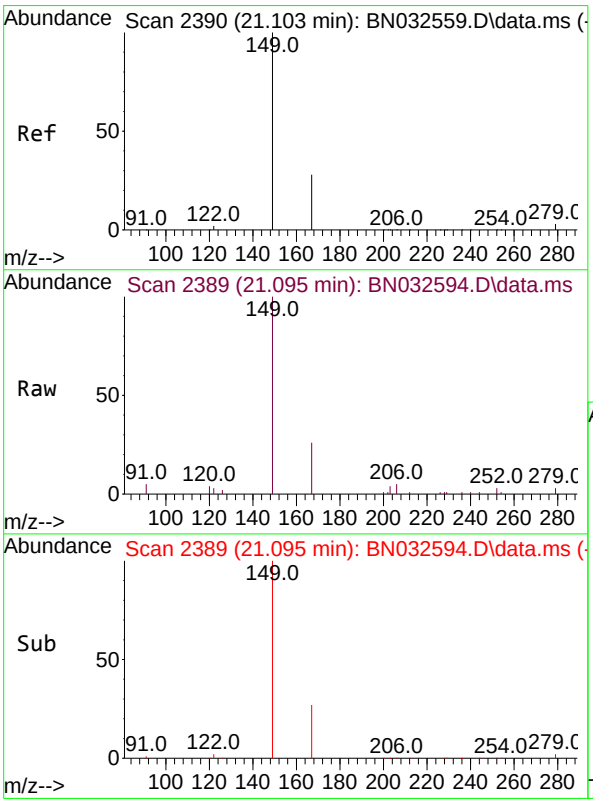
#33
Chrysene
Concen: 0.421 ng
RT: 21.247 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 22385

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	19.9	16.1	24.1

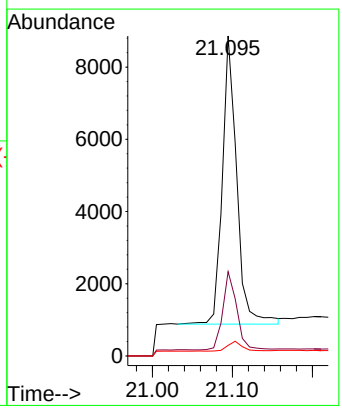


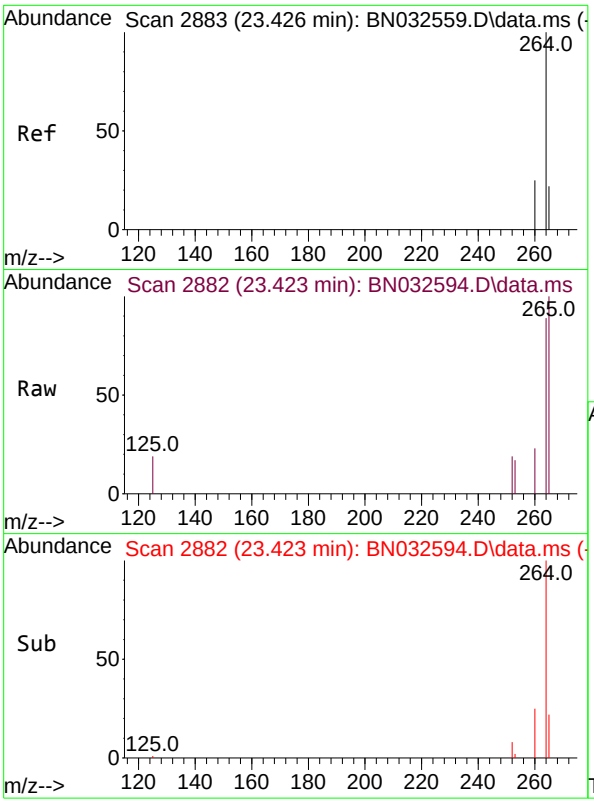


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.330 ng
RT: 21.095 min Scan# 2389
Delta R.T. -0.009 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:149 Resp: 10044

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.6	32.4
279	3.6	3.0	4.6



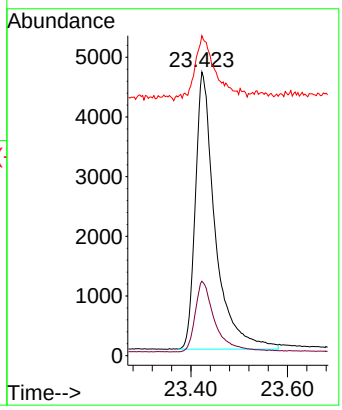


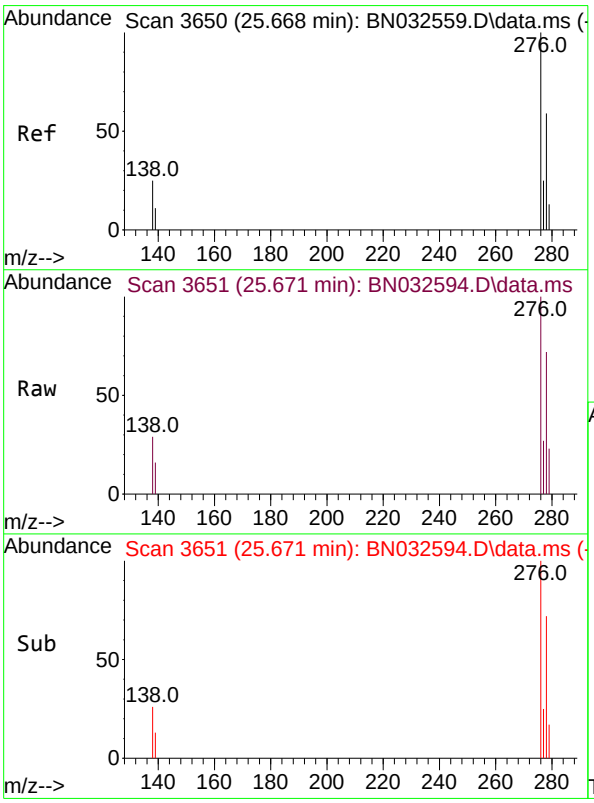
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.423 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 13240

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.0	31.6
265	112.8	76.6	115.0

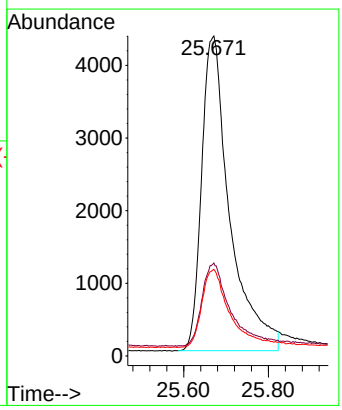


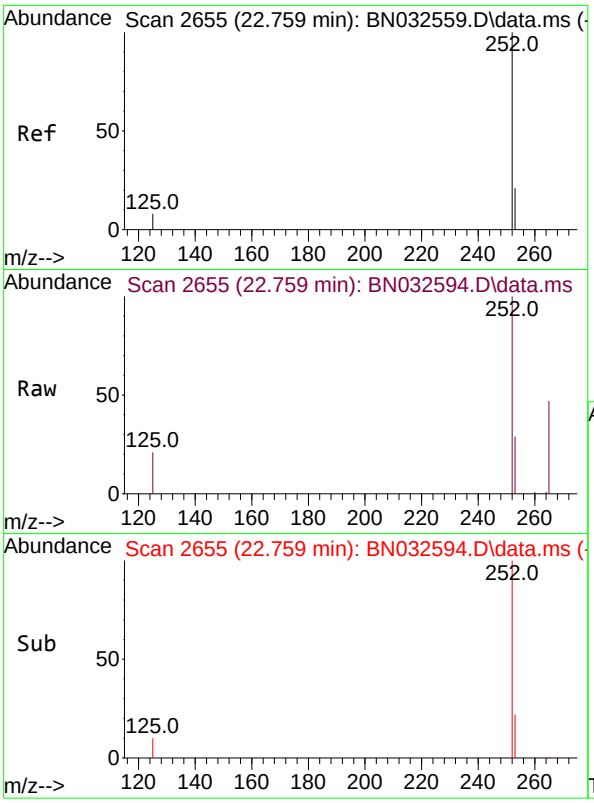


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.396 ng
RT: 25.671 min Scan# 3651
Delta R.T. 0.003 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:276 Resp: 20016

Ion	Ratio	Lower	Upper
276	100		
138	26.5	21.4	32.0
277	24.9	19.9	29.9



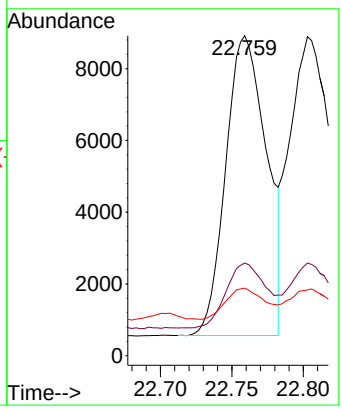


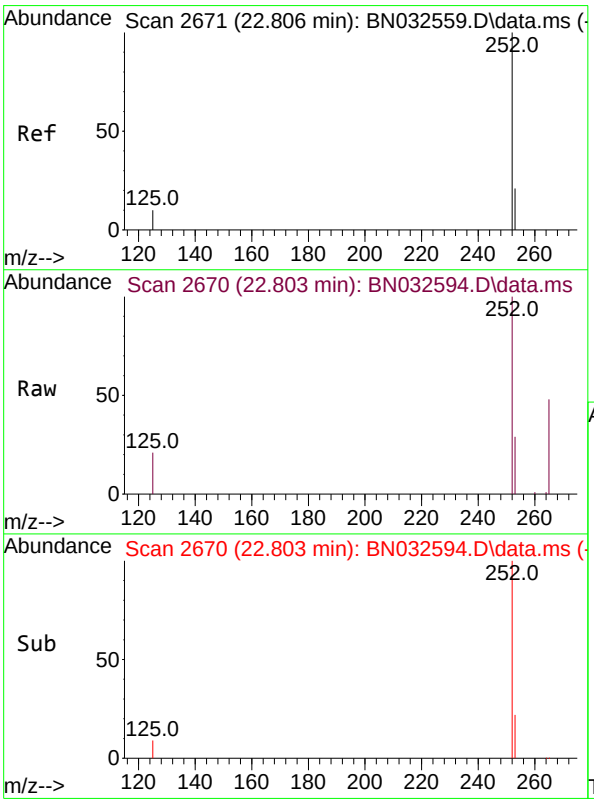
#37
Benzo(b)fluoranthene
Concen: 0.376 ng
RT: 22.759 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 16584

Ion	Ratio	Lower	Upper
252	100		
253	29.0	22.2	33.4
125	21.1	15.4	23.0

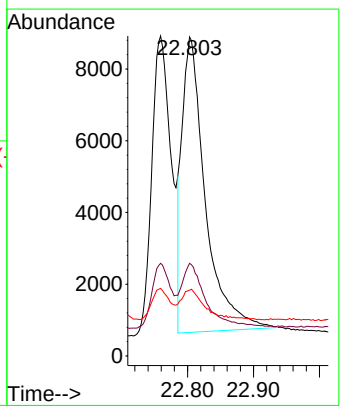


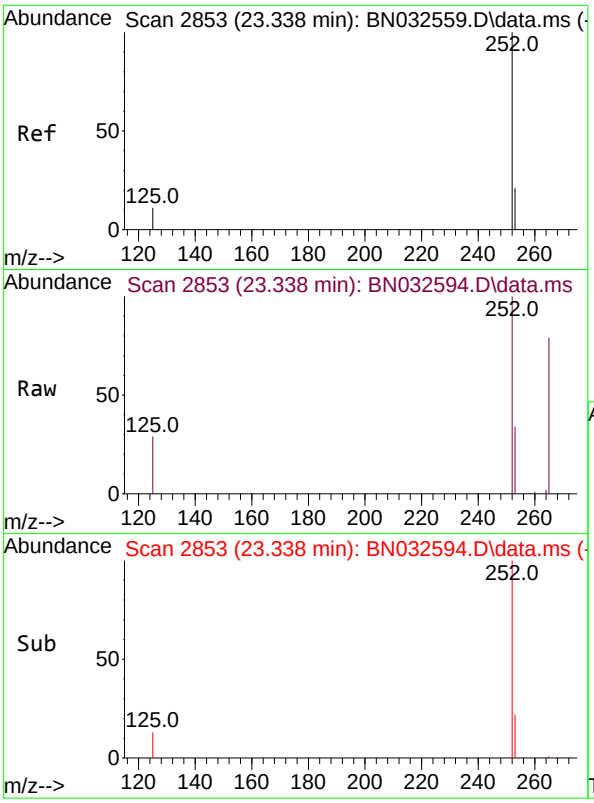


#38
Benzo(k)fluoranthene
Concen: 0.398 ng
RT: 22.803 min Scan# 2670
Delta R.T. -0.003 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:252 Resp: 20207

Ion	Ratio	Lower	Upper
252	100		
253	29.0	21.9	32.9
125	20.6	15.3	22.9



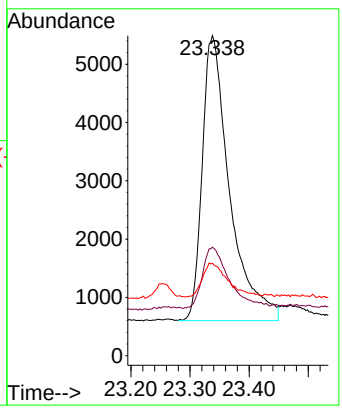


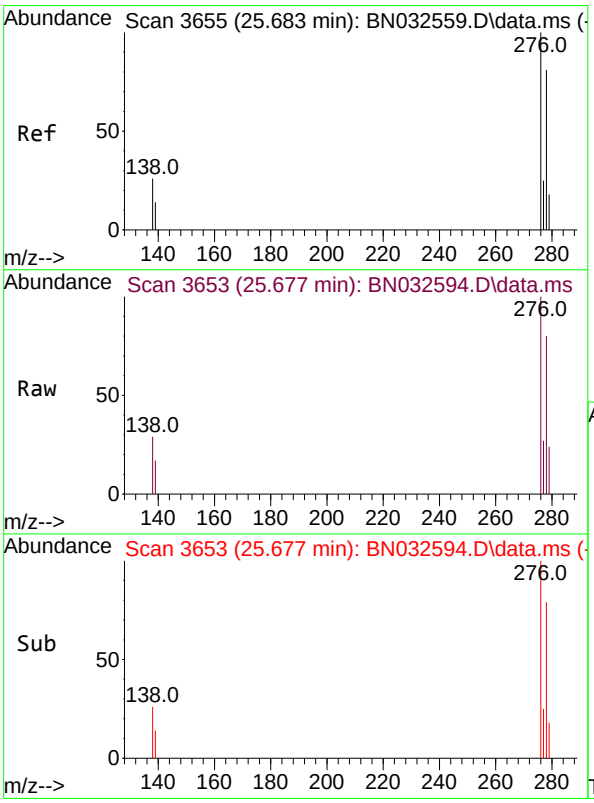
#39
Benzo(a)pyrene
Concen: 0.377 ng
RT: 23.338 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 15754

Ion	Ratio	Lower	Upper
252	100		
253	33.9	25.5	38.3
125	28.9	20.7	31.1

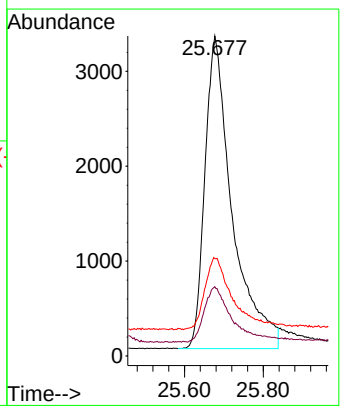


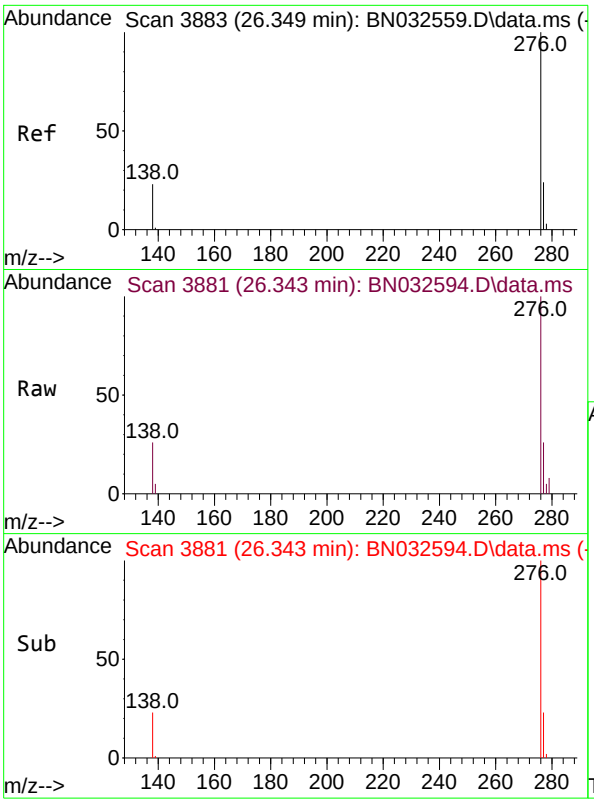


#40
Dibenzo(a,h)anthracene
Concen: 0.394 ng
RT: 25.677 min Scan# 3653
Delta R.T. -0.006 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Tgt Ion:278 Resp: 15832

Ion	Ratio	Lower	Upper
278	100		
139	21.7	17.8	26.6
279	30.5	24.4	36.6





#41
Benzo(g,h,i)perylene
Concen: 0.414 ng
RT: 26.343 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN032594.D
Acq: 09 Jul 2024 19:34

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 18102

Ion	Ratio	Lower	Upper
276	100		
277	25.9	21.5	32.3
138	26.4	21.4	32.0