Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070924\
Data File : BN032564.D
Acq On : 09 Jul 2024 00:03
Operator : MA/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Quant Time: Jul 09 02:40:47 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	4389	0.400	ng		0.00
7) Naphthalene-d8	10.378	136	13799	0.400	ng		0.00
13) Acenaphthene-d10	14.231	164	9647	0.400	ng		0.00
19) Phenanthrene-d10	17.004	188	21027	0.400	ng		0.00
29) Chrysene-d12	21.211	240	16744	0.400	ng		0.00
35) Perylene-d12	23.426	264	16900	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.212	112	4048	0.365	ng		0.00
5) Phenol-d6	6.815	99	5256	0.371	ng		0.00
8) Nitrobenzene-d5	8.798	82	3442	0.334	ng		0.00
11) 2-Methylnaphthalene-d10	11.983	152	8497	0.390	ng		0.00
14) 2,4,6-Tribromophenol	15.763	330	1443	0.330	ng		0.00
15) 2-Fluorobiphenyl	12.863	172	13143	0.370	ng		0.00
27) Fluoranthene-d10	19.045	212	20256	0.370	ng		0.00
31) Terphenyl-d14	19.653	244	15216	0.372	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.161	88	2288	0.396	ng		99
3) n-Nitrosodimethylamine	3.486	42	1536	0.366	ng		97
6) bis(2-Chloroethyl)ether	7.047	93	3521	0.370	ng		99
9) Naphthalene	10.421	128	14605	0.387	ng		99
10) Hexachlorobutadiene	10.667	225	2925	0.390	ng	#	99
12) 2-Methylnaphthalene	12.062	142	9747	0.386	ng		100
16) Acenaphthylene	13.953	152	14563	0.351	ng		99
17) Acenaphthene	14.296	154	10843	0.376	ng		100
18) Fluorene	15.300	166	14200	0.375	ng		100
20) 4,6-Dinitro-2-methylph...	15.493	198	498	0.350	ng		98
21) 4-Bromophenyl-phenylether	16.197	248	4798	0.384	ng		97
22) Hexachlorobenzene	16.296	284	5332	0.388	ng		99
23) Atrazine	16.482	200	3331	0.342	ng		98
24) Pentachlorophenol	16.693	266	1368	0.386	ng		98
25) Phenanthrene	17.041	178	21278	0.373	ng		100
26) Anthracene	17.140	178	16219	0.353	ng		99
28) Fluoranthene	19.072	202	25141	0.364	ng		100
30) Pyrene	19.439	202	26362	0.387	ng		100
32) Benzo(a)anthracene	21.202	228	18368	0.332	ng		100
33) Chrysene	21.247	228	26567	0.404	ng		100
34) Bis(2-ethylhexyl)phtha...	21.095	149	11875	0.316	ng		100
36) Indeno(1,2,3-cd)pyrene	25.665	276	23746	0.368	ng		100
37) Benzo(b)fluoranthene	22.759	252	19810	0.352	ng		99
38) Benzo(k)fluoranthene	22.803	252	25257	0.389	ng		99
39) Benzo(a)pyrene	23.335	252	19522	0.366	ng		99
40) Dibenzo(a,h)anthracene	25.680	278	18807	0.367	ng		99
41) Benzo(g,h,i)perylene	26.349	276	20928	0.375	ng		97

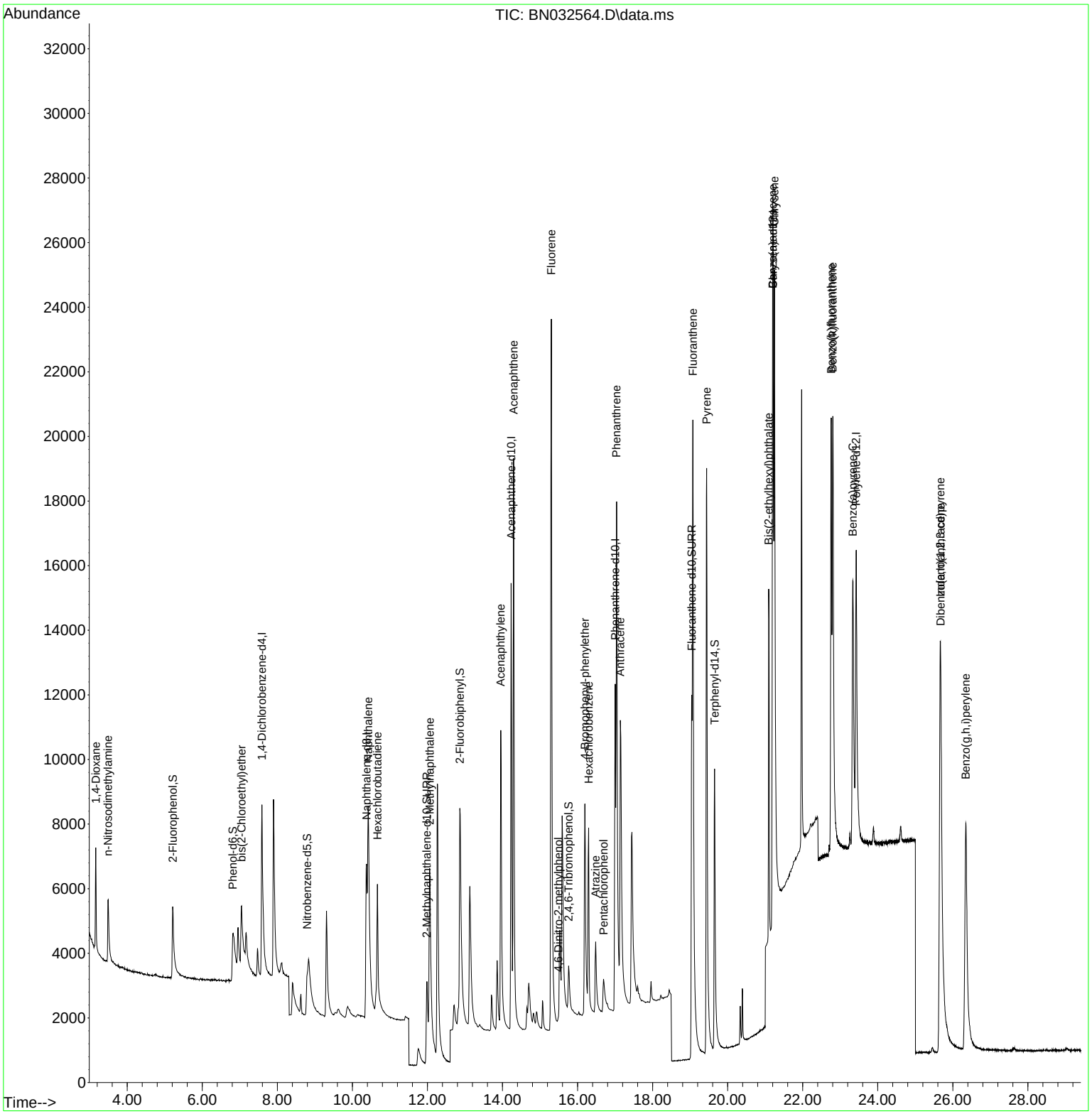
(#) = qualifier out of range (m) = manual integration (+) = signals summed

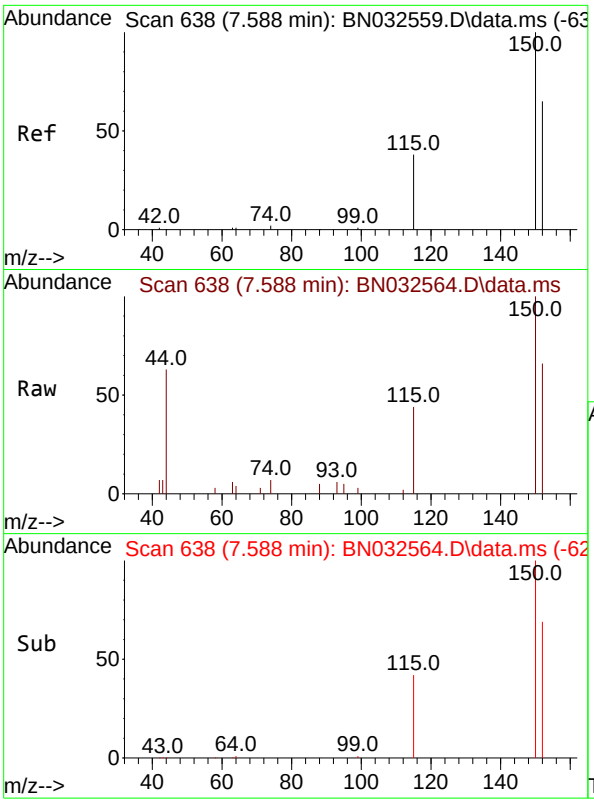
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070924\
Data File : BN032564.D
Acq On : 09 Jul 2024 00:03
Operator : MA/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Quant Time: Jul 09 02:40:47 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



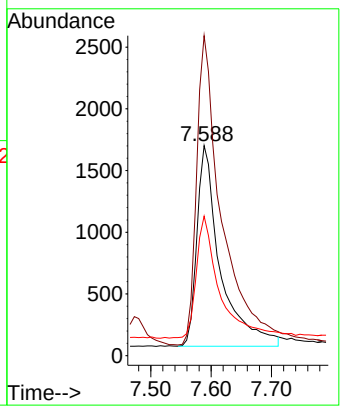


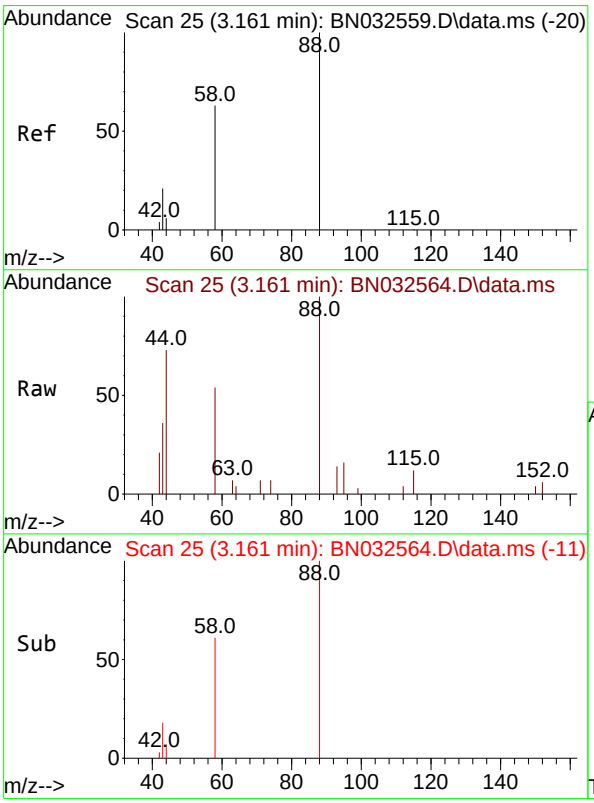
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.588 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:152 Resp: 4389

Ion	Ratio	Lower	Upper
152	100		
150	152.4	121.6	182.4
115	66.4	53.1	79.7

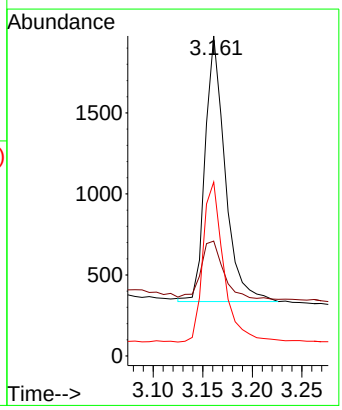


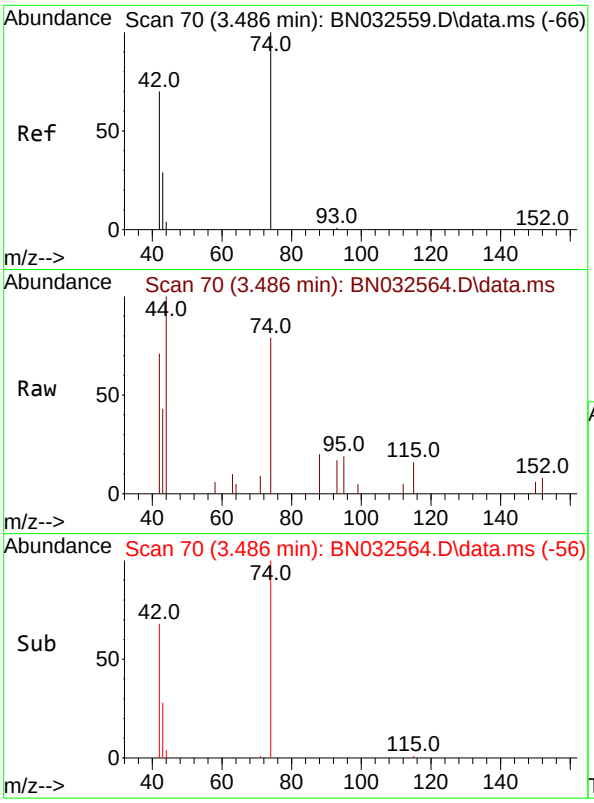


#2
1,4-Dioxane
Concen: 0.396 ng
RT: 3.161 min Scan# 25
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion: 88 Resp: 2288

Ion	Ratio	Lower	Upper
88	100		
43	25.1	20.4	30.6
58	63.4	51.0	76.6



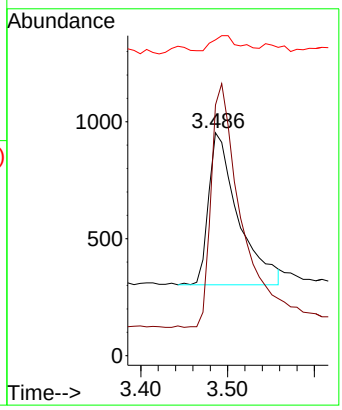


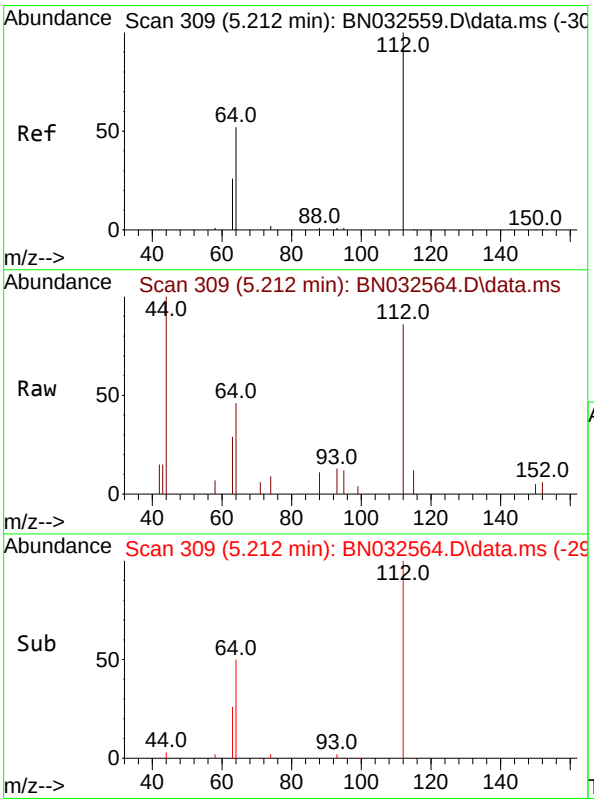
#3
n-Nitrosodimethylamine
Concen: 0.366 ng
RT: 3.486 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion: 42 Resp: 1536

Ion	Ratio	Lower	Upper
42	100		
74	161.8	126.8	190.2
44	9.0	8.7	13.1

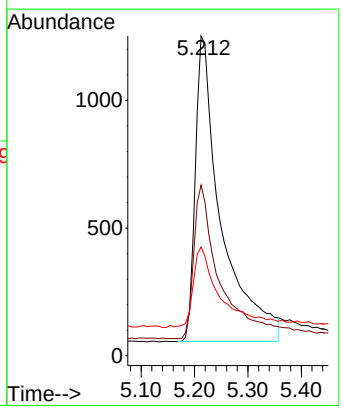


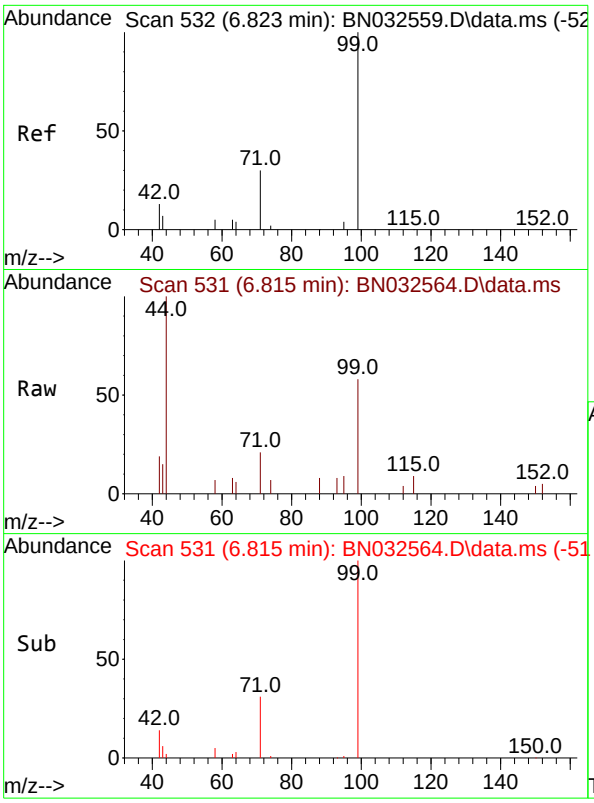


#4
2-Fluorophenol
Concen: 0.365 ng
RT: 5.212 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:112 Resp: 4048

Ion	Ratio	Lower	Upper
112	100		
64	50.2	41.2	61.8
63	27.7	21.6	32.4



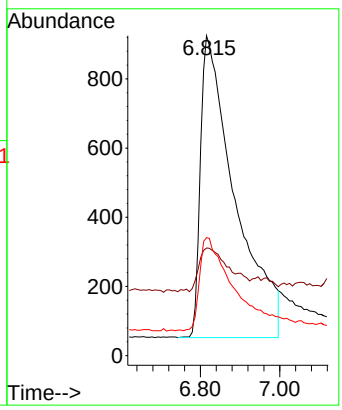


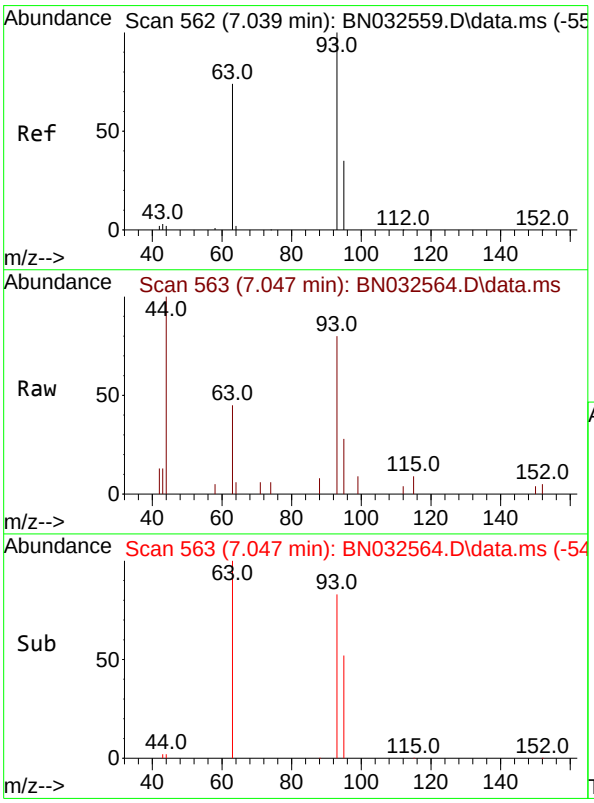
#5
Phenol-d6
Concen: 0.371 ng
RT: 6.815 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion: 99 Resp: 5256

Ion	Ratio	Lower	Upper
99	100		
42	12.9	10.6	16.0
71	30.6	25.2	37.8

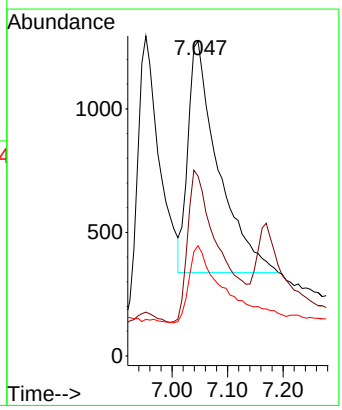


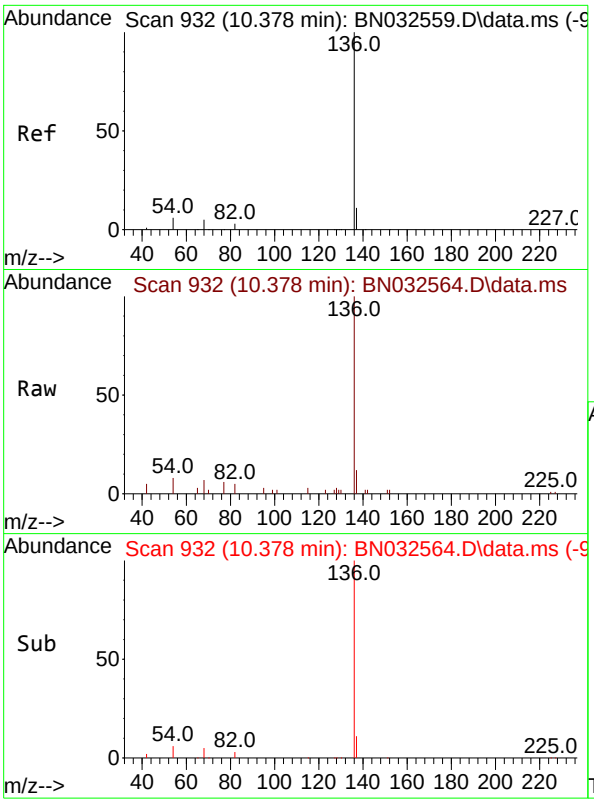


#6
bis(2-Chloroethyl)ether
Concen: 0.370 ng
RT: 7.047 min Scan# 563
Delta R.T. 0.008 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion: 93 Resp: 3521

Ion	Ratio	Lower	Upper
93	100		
63	67.7	54.1	81.1
95	39.2	30.5	45.7



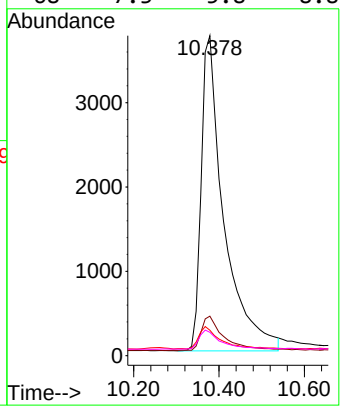


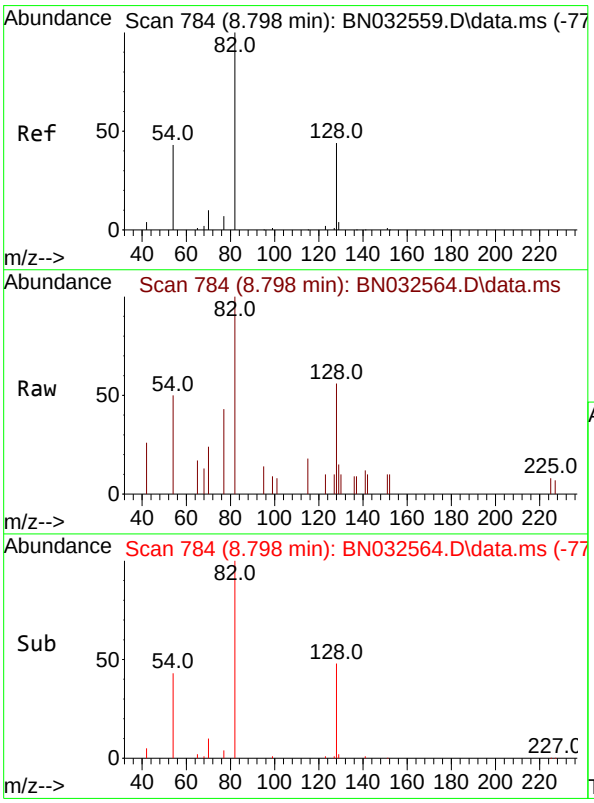
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.378 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:136 Resp: 13799

Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.0	15.0
54	7.9	6.6	9.8
68	7.3	5.8	8.8

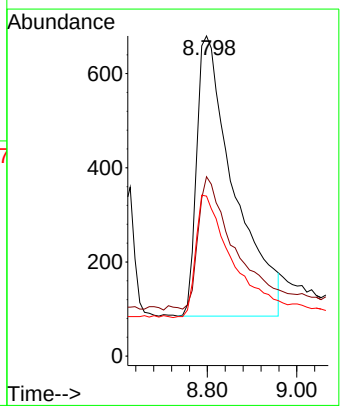


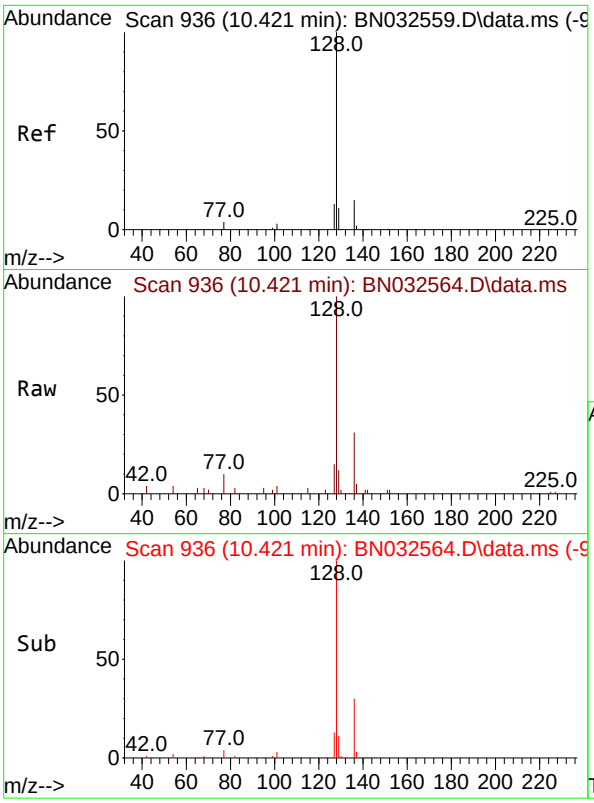


#8
Nitrobenzene-d5
Concen: 0.334 ng
RT: 8.798 min Scan# 784
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion: 82 Resp: 3442

Ion	Ratio	Lower	Upper
82	100		
128	56.0	43.4	65.2
54	50.0	40.2	60.2



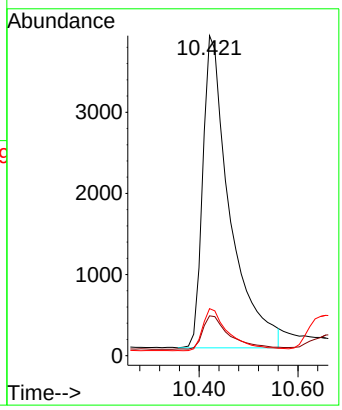


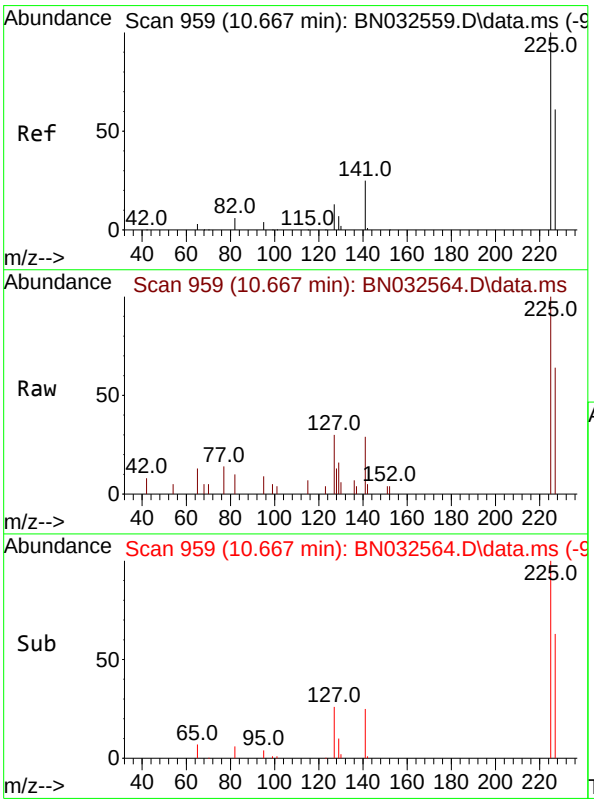
#9
Naphthalene
Concen: 0.387 ng
RT: 10.421 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:128 Resp: 14605

Ion	Ratio	Lower	Upper
128	100		
129	12.4	10.2	15.4
127	14.7	11.4	17.0

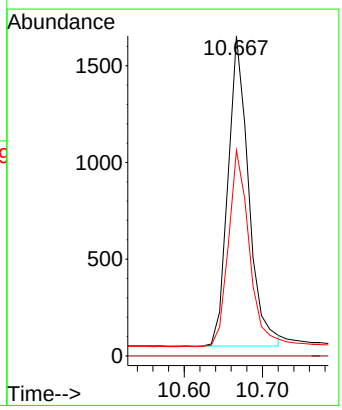


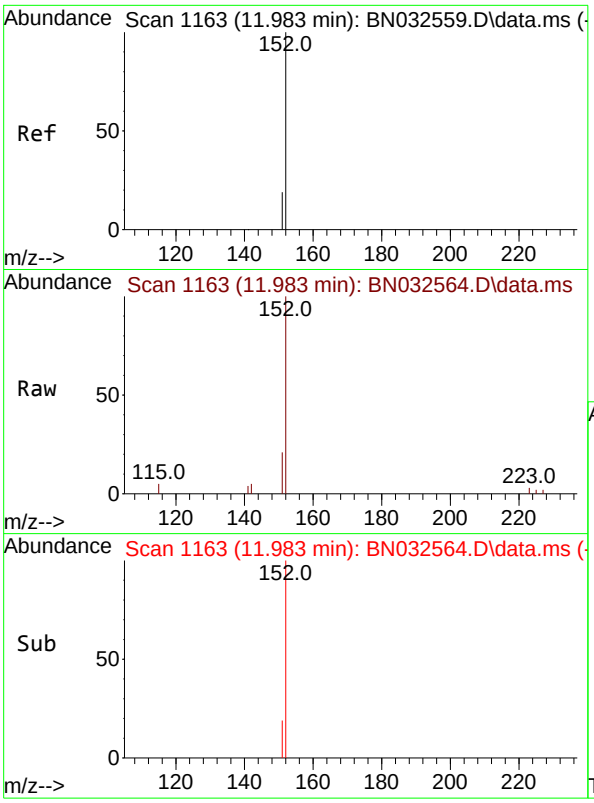


#10
Hexachlorobutadiene
Concen: 0.390 ng
RT: 10.667 min Scan# 959
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:225 Resp: 2925

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	50.6	76.0



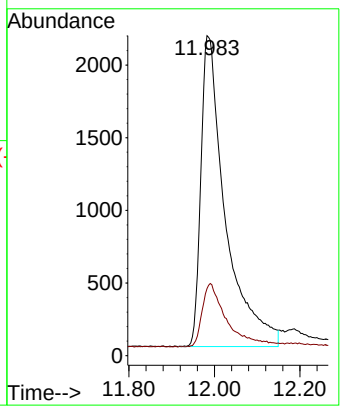


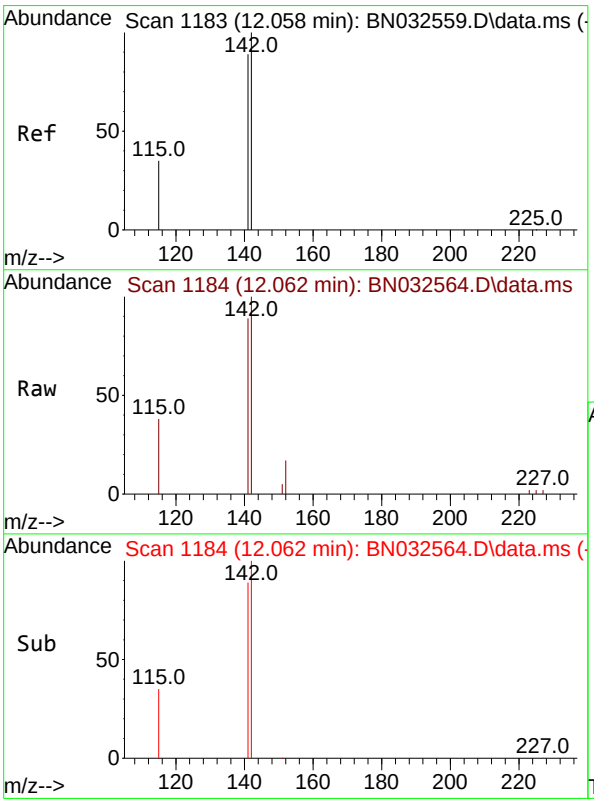
#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 11.983 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:152 Resp: 8497

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6

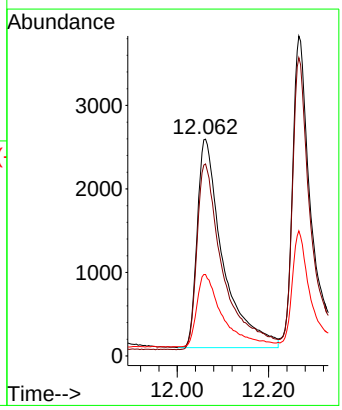


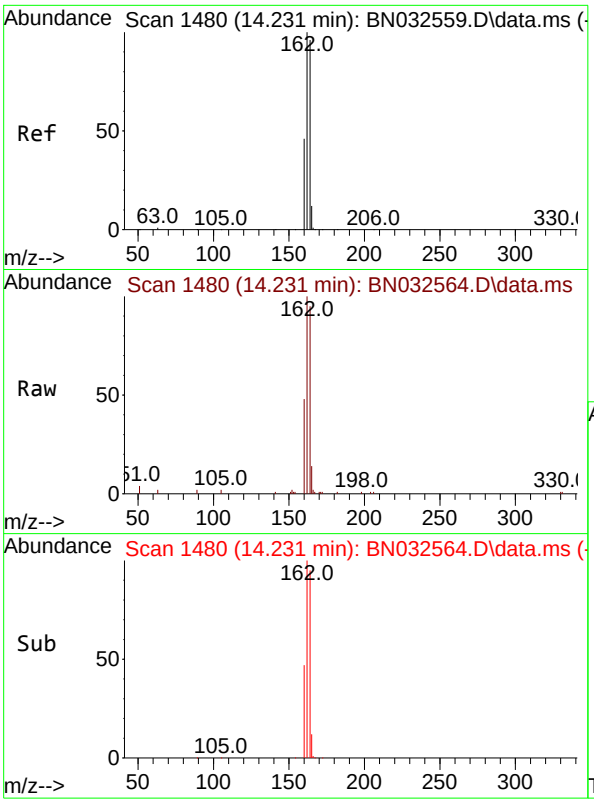


#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.062 min Scan# 1184
Delta R.T. 0.004 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:142 Resp: 9747

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6
115	37.6	30.5	45.7



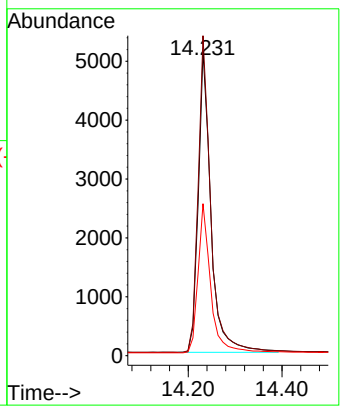


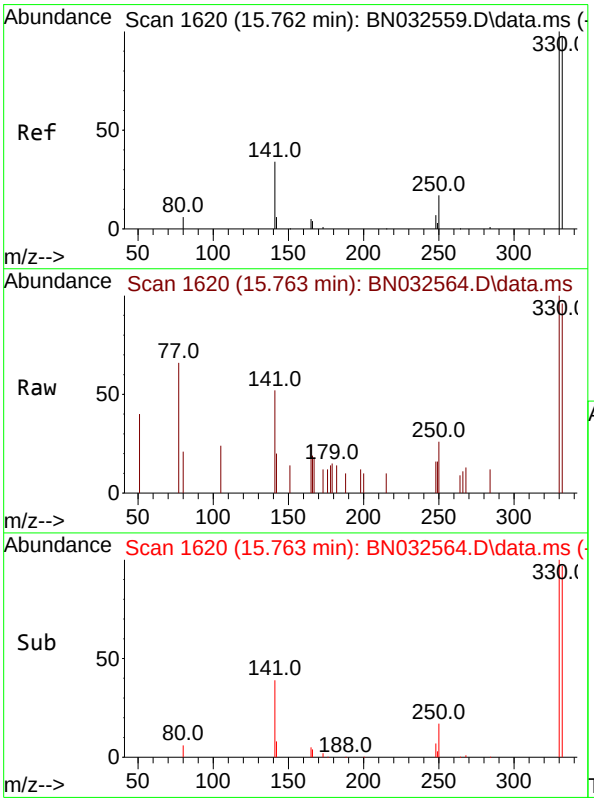
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.231 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:164 Resp: 9647

Ion	Ratio	Lower	Upper
164	100		
162	105.1	83.2	124.8
160	49.9	38.6	57.8

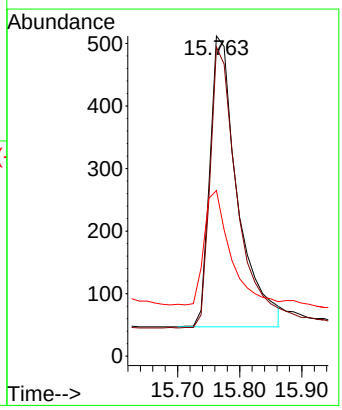


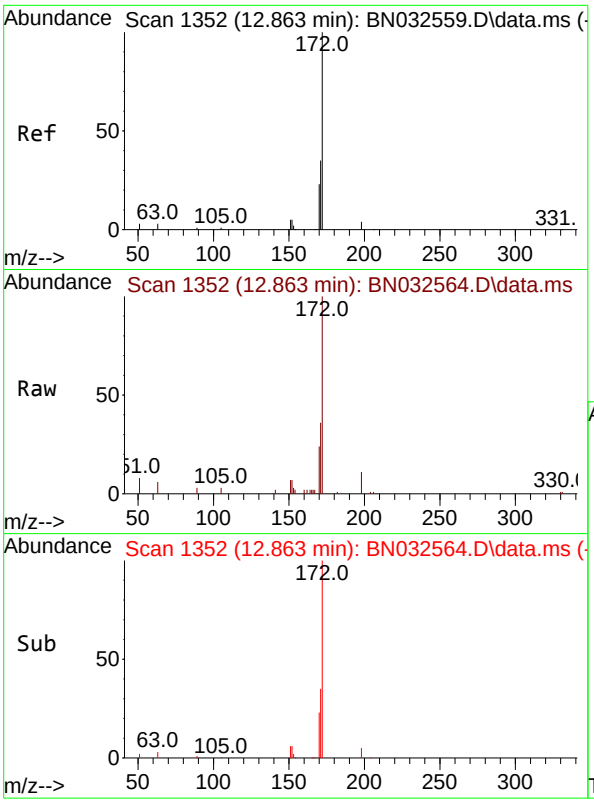


#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 15.763 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:330 Resp: 1443

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.7	116.5
141	37.1	31.8	47.8



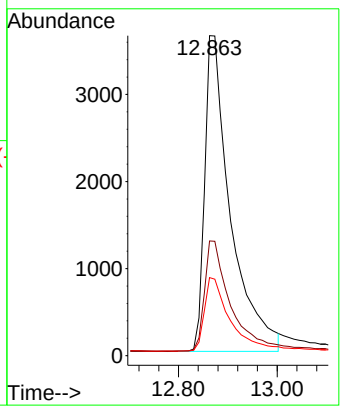


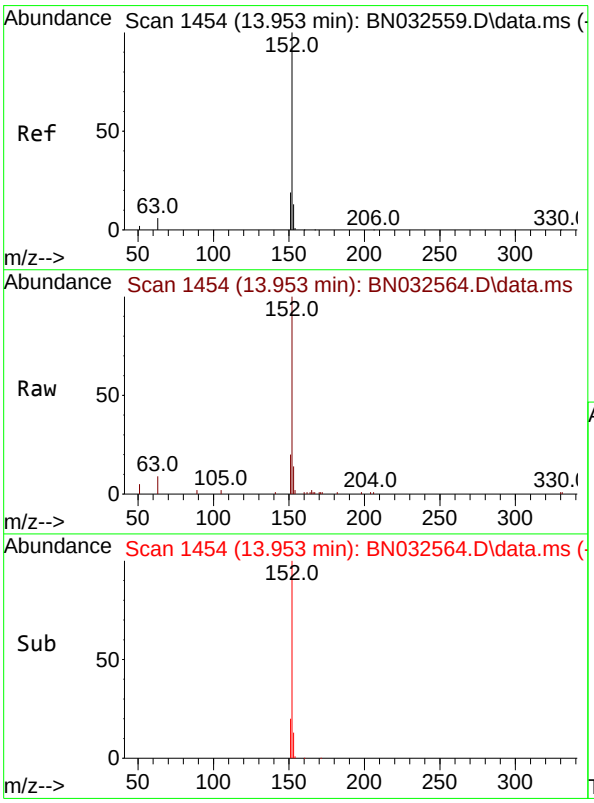
#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:172 Resp: 13143

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	24.4	19.2	28.8

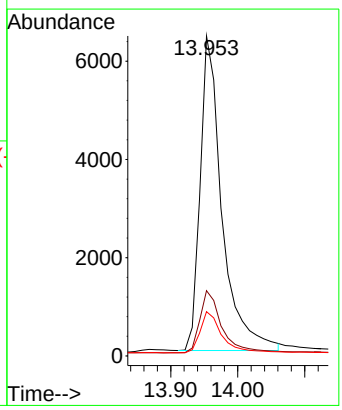


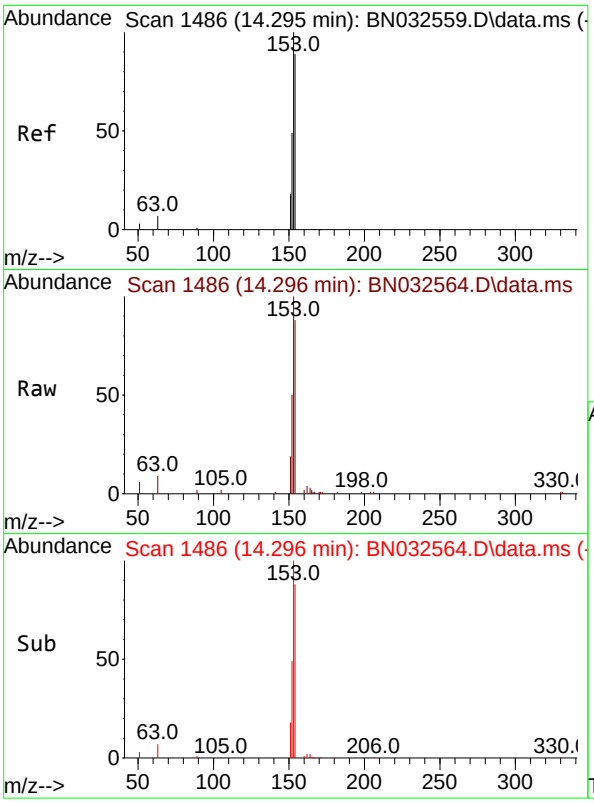


#16
Acenaphthylene
Concen: 0.351 ng
RT: 13.953 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:152 Resp: 14563

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	12.9	10.5	15.7



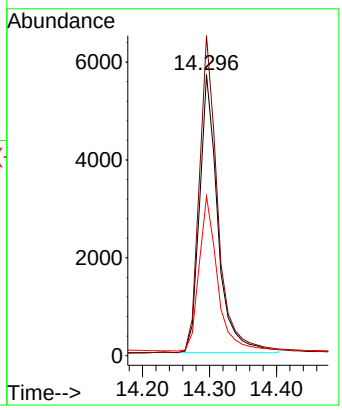


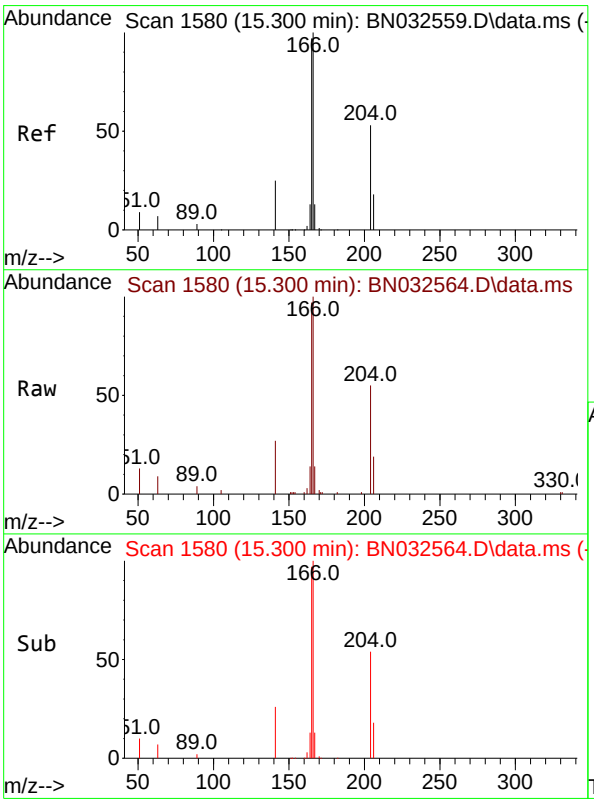
#17
Acenaphthene
Concen: 0.376 ng
RT: 14.296 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:154 Resp: 10843

Ion	Ratio	Lower	Upper
154	100		
153	113.9	90.9	136.3
152	55.5	44.4	66.6

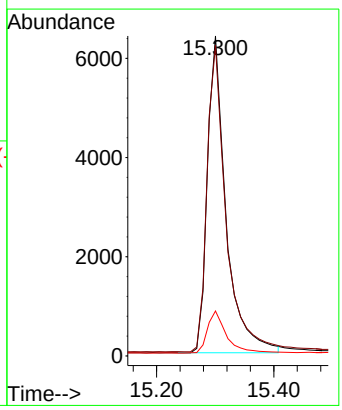


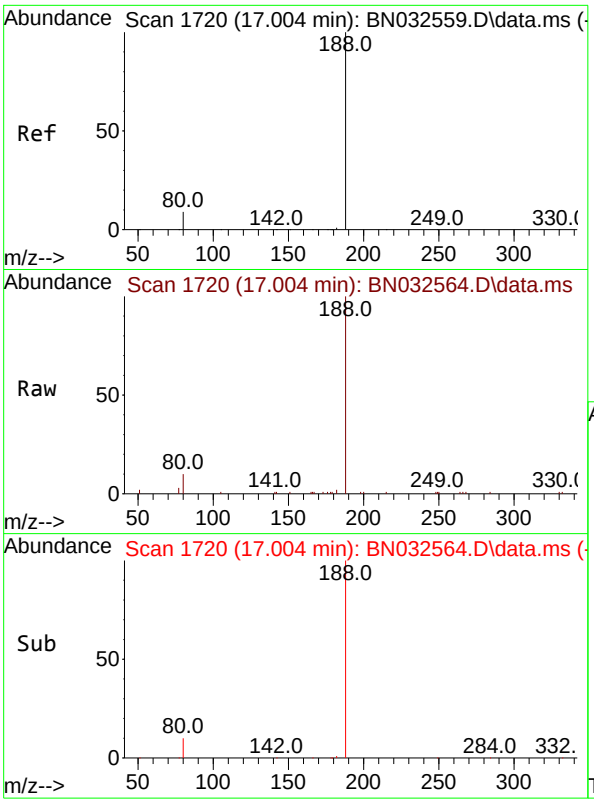


#18
Fluorene
Concen: 0.375 ng
RT: 15.300 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:166 Resp: 14200

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.7	118.1
167	13.5	10.7	16.1



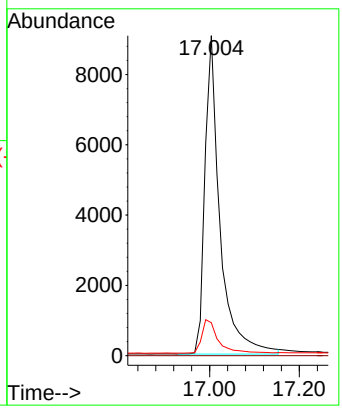


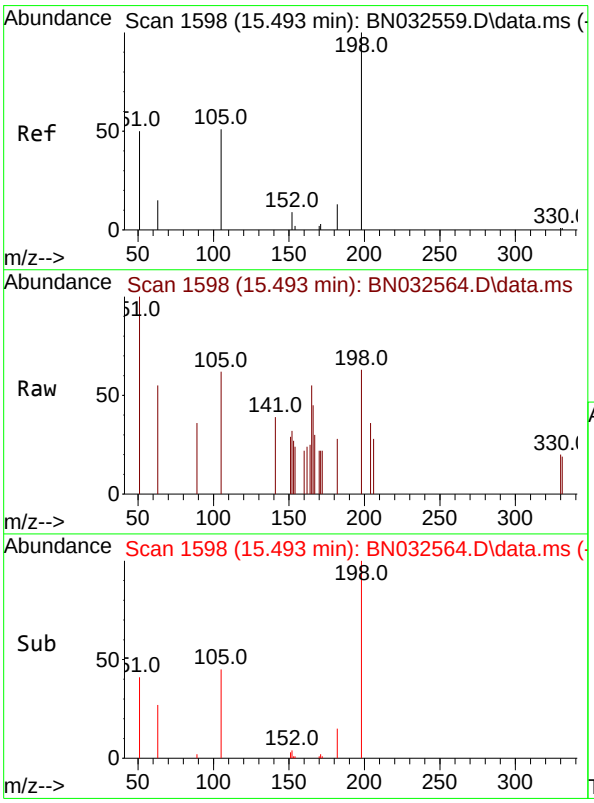
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:188 Resp: 21027

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	7.8	11.6

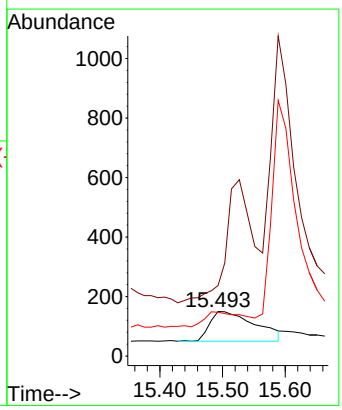


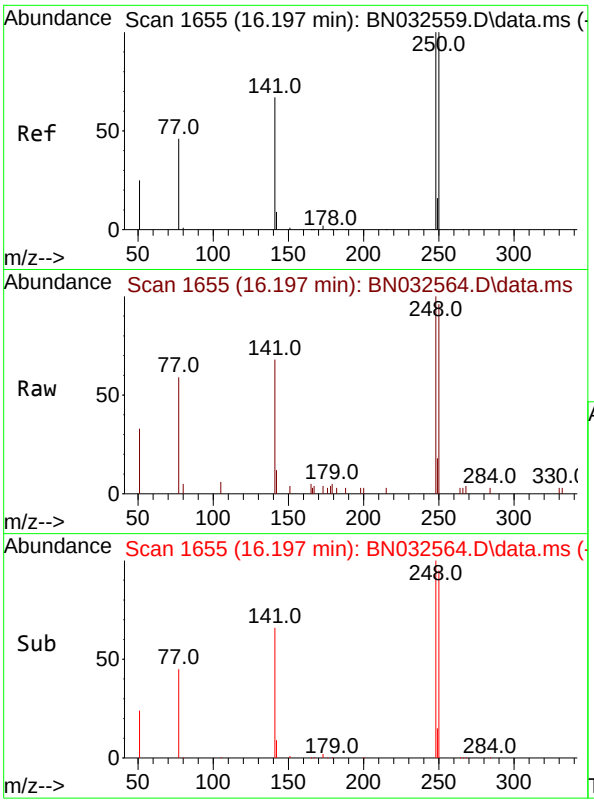


#20
4,6-Dinitro-2-methylphenol
Concen: 0.350 ng
RT: 15.493 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:198 Resp: 498

Ion	Ratio	Lower	Upper
198	100		
51	158.0	123.4	185.2
105	98.0	79.5	119.3



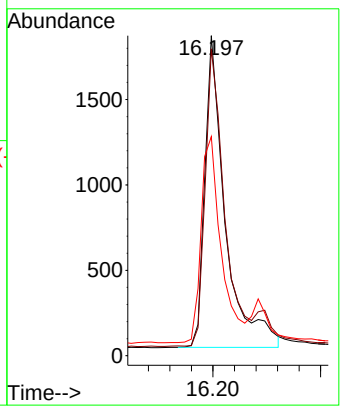


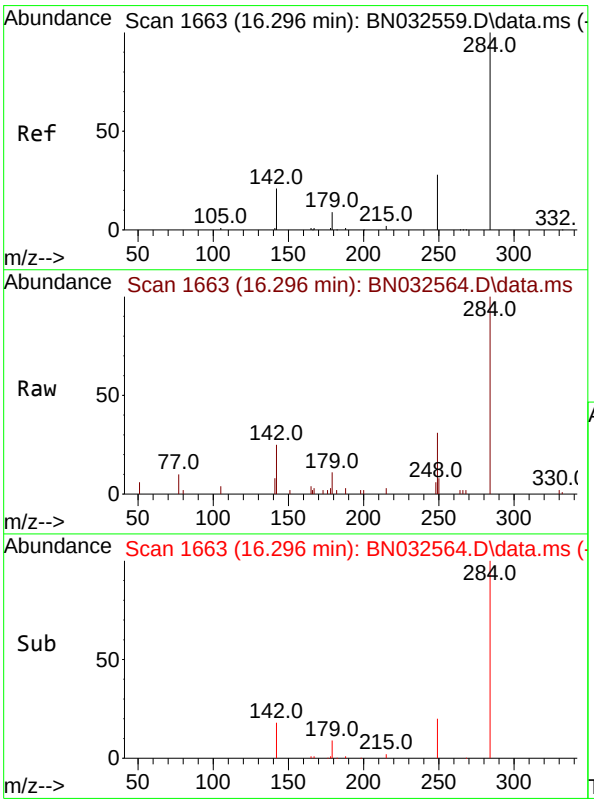
#21
4-Bromophenyl-phenylether
Concen: 0.384 ng
RT: 16.197 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:248 Resp: 4798

Ion	Ratio	Lower	Upper
248	100		
250	95.9	80.2	120.2
141	68.5	55.7	83.5

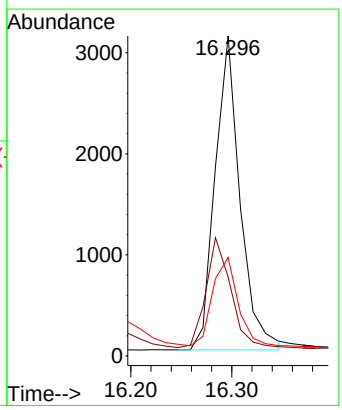


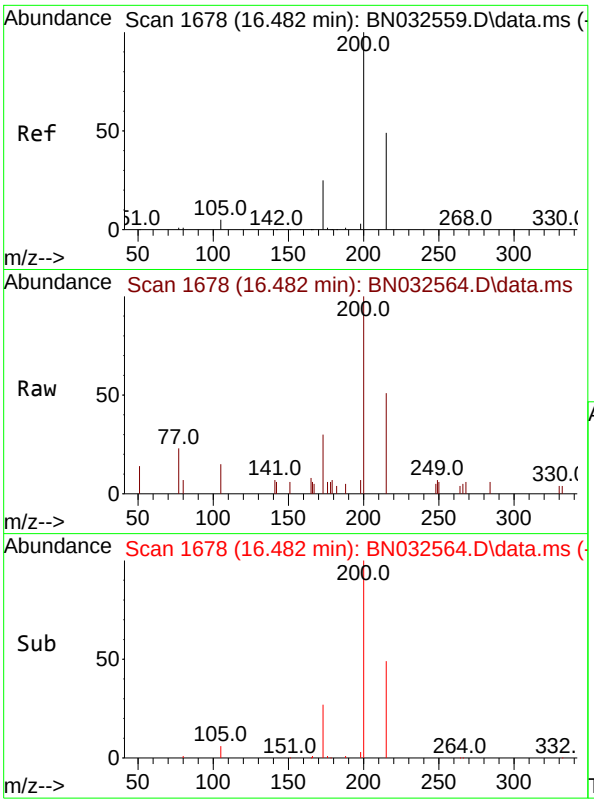


#22
Hexachlorobenzene
Concen: 0.388 ng
RT: 16.296 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:284 Resp: 5332

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.6	41.4
249	28.6	23.6	35.4



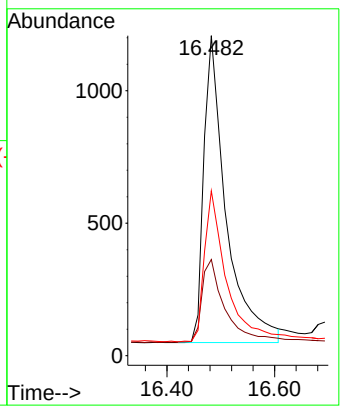


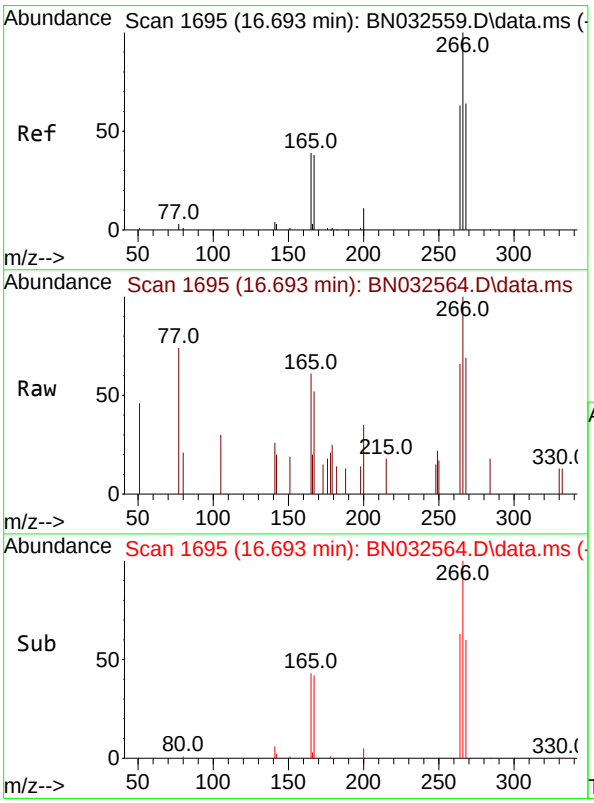
#23
Atrazine
Concen: 0.342 ng
RT: 16.482 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:200 Resp: 3331

Ion	Ratio	Lower	Upper
200	100		
173	30.0	22.3	33.5
215	51.5	41.0	61.6

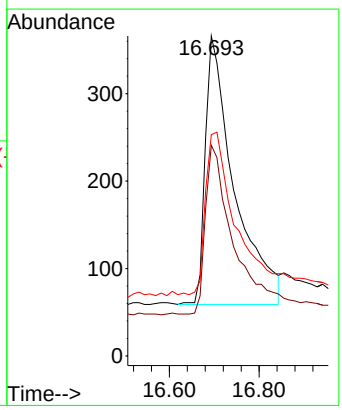


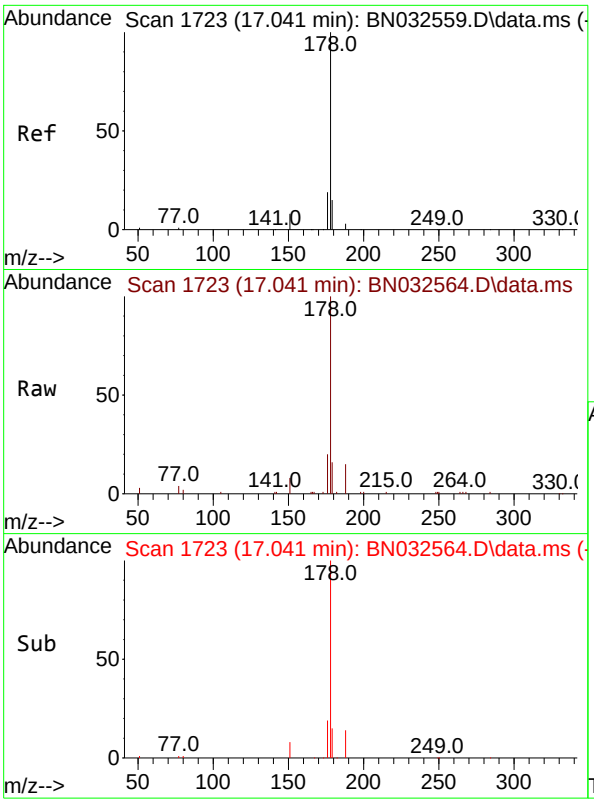


#24
Pentachlorophenol
Concen: 0.386 ng
RT: 16.693 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:266 Resp: 1368

Ion	Ratio	Lower	Upper
266	100		
264	61.5	49.6	74.4
268	62.7	52.2	78.2



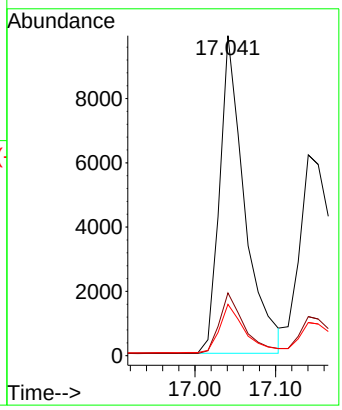


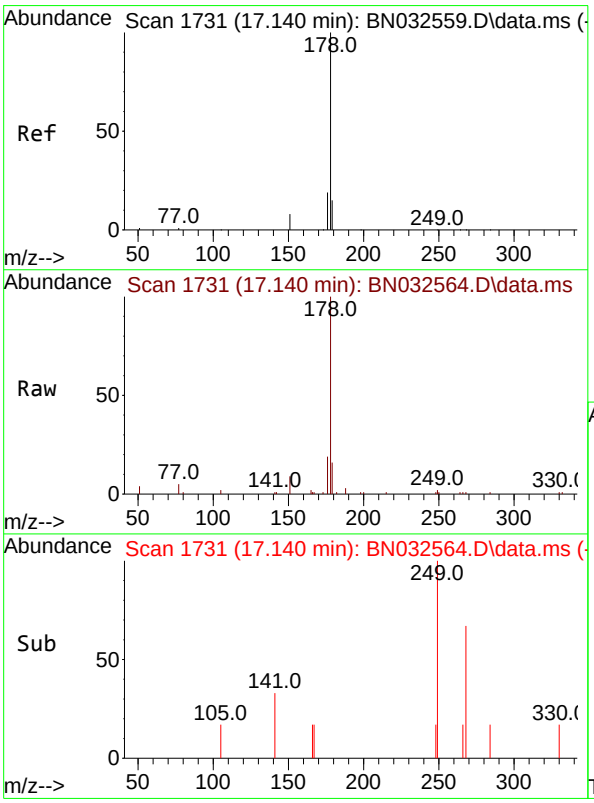
#25
Phenanthrene
Concen: 0.373 ng
RT: 17.041 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:178 Resp: 21278

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.3	12.2	18.4

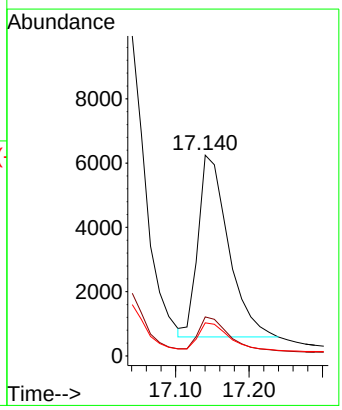


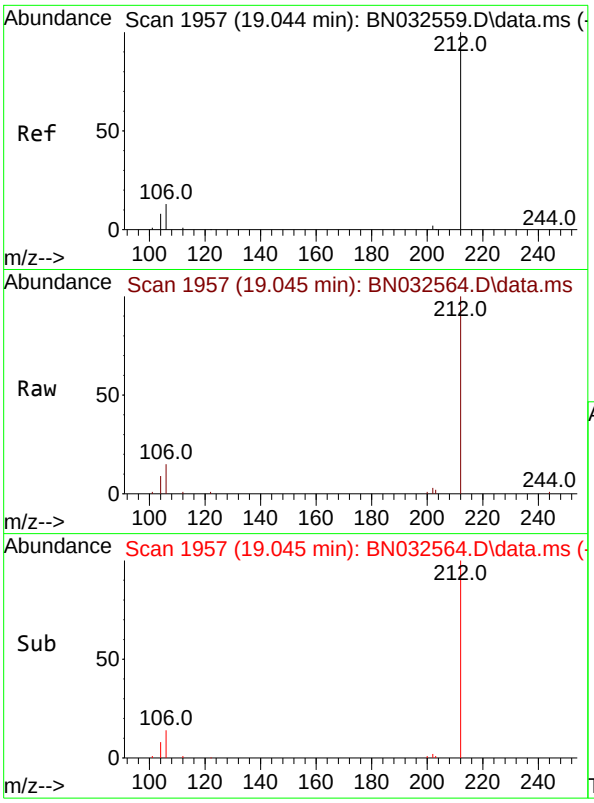


#26
Anthracene
Concen: 0.353 ng
RT: 17.140 min Scan# 1731
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:178 Resp: 16219

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	15.3	11.9	17.9



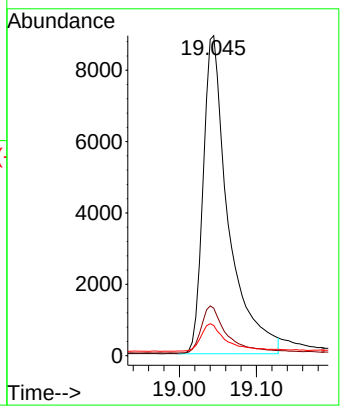


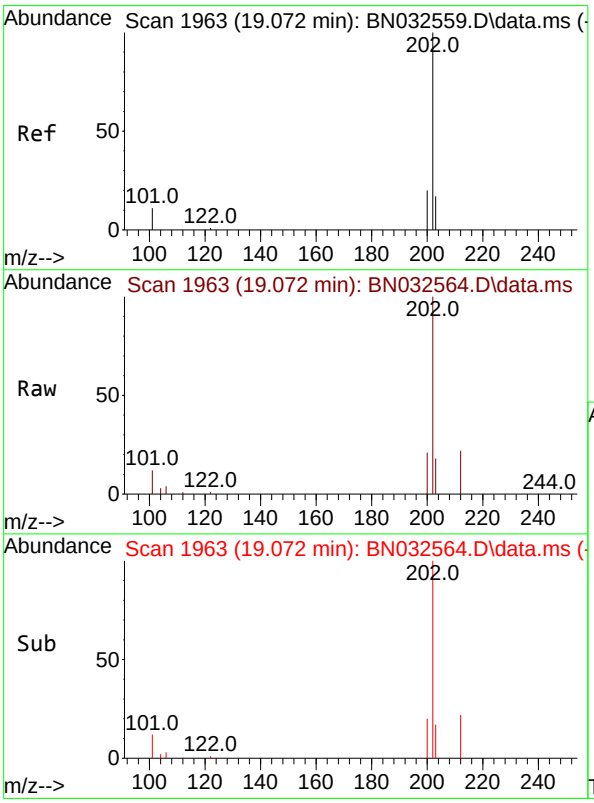
#27
Fluoranthene-d10
Concen: 0.370 ng
RT: 19.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:212 Resp: 20256

Ion	Ratio	Lower	Upper
212	100		
106	14.8	11.8	17.8
104	8.7	6.9	10.3

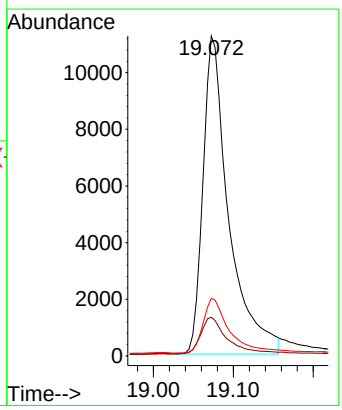


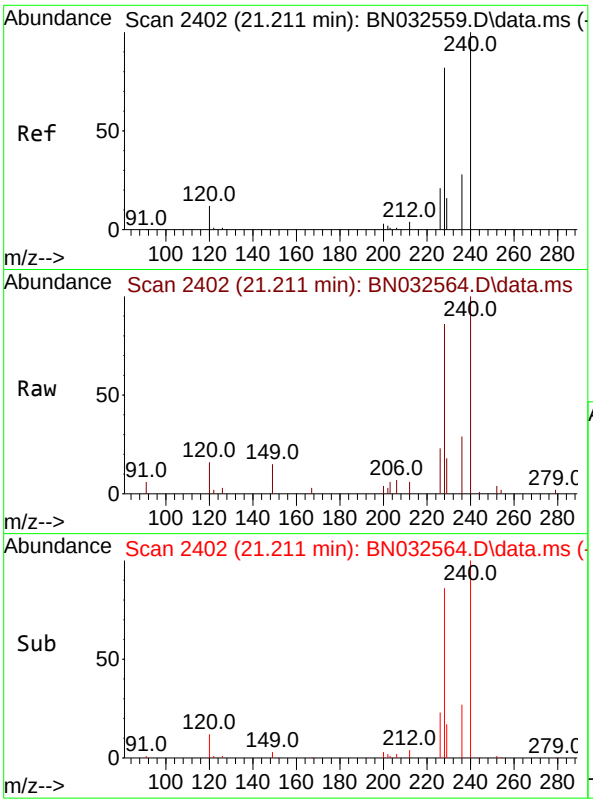


#28
Fluoranthene
Concen: 0.364 ng
RT: 19.072 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:202 Resp: 25141

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.5	14.3
203	17.4	13.8	20.6



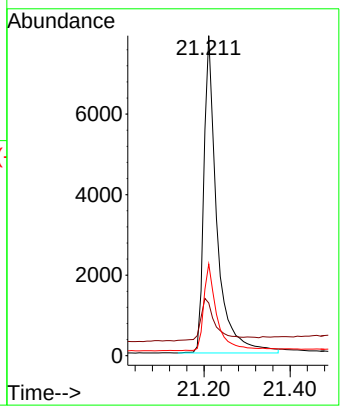


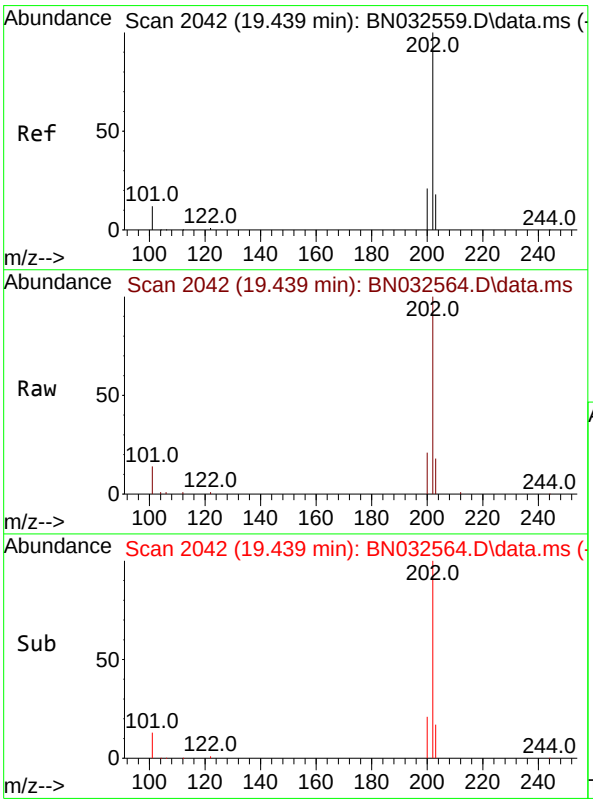
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.211 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:240 Resp: 16744

Ion	Ratio	Lower	Upper
240	100		
120	16.5	13.0	19.4
236	28.6	23.1	34.7

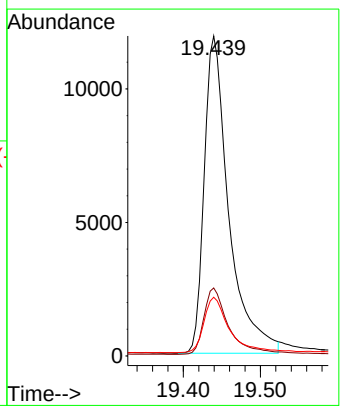


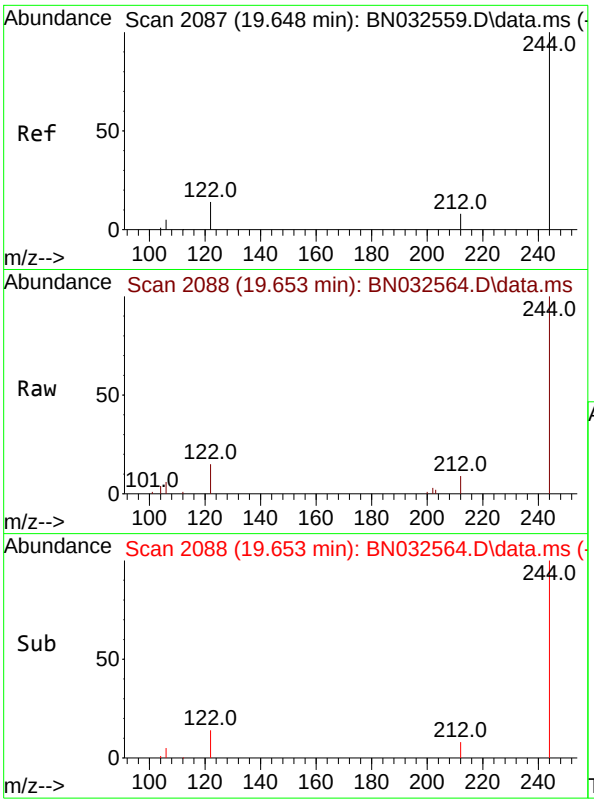


#30
Pyrene
Concen: 0.387 ng
RT: 19.439 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:202 Resp: 26362

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	17.8	14.4	21.6



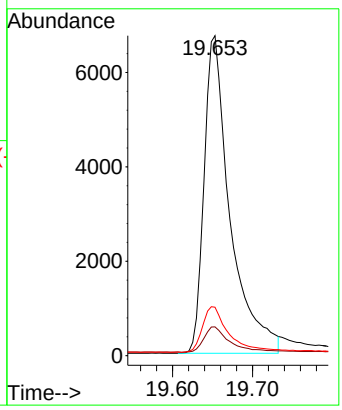


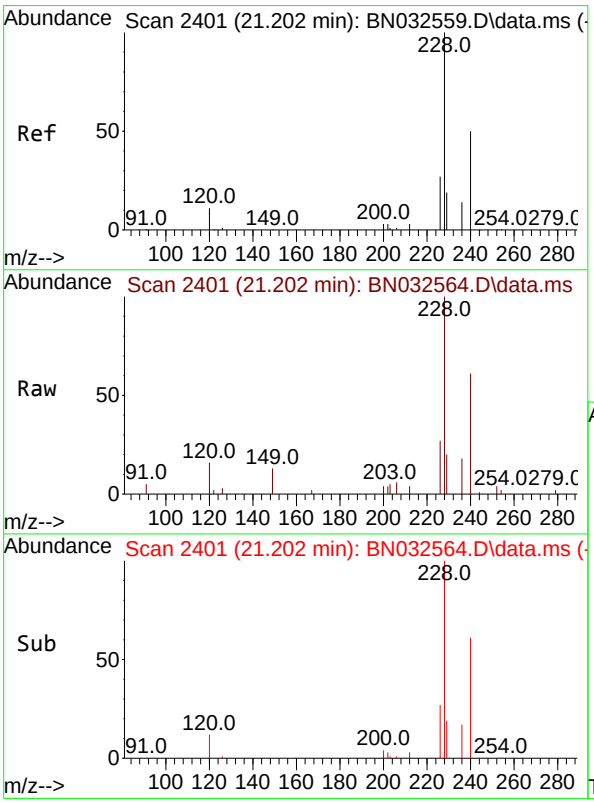
#31
Terphenyl-d14
Concen: 0.372 ng
RT: 19.653 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:244 Resp: 15216

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.2	10.8
122	15.1	12.1	18.1

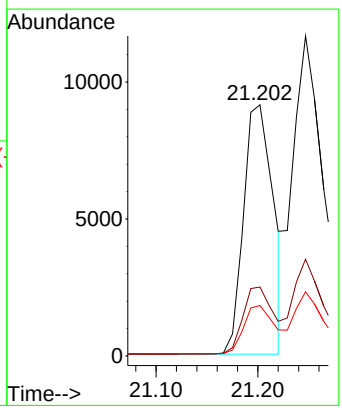


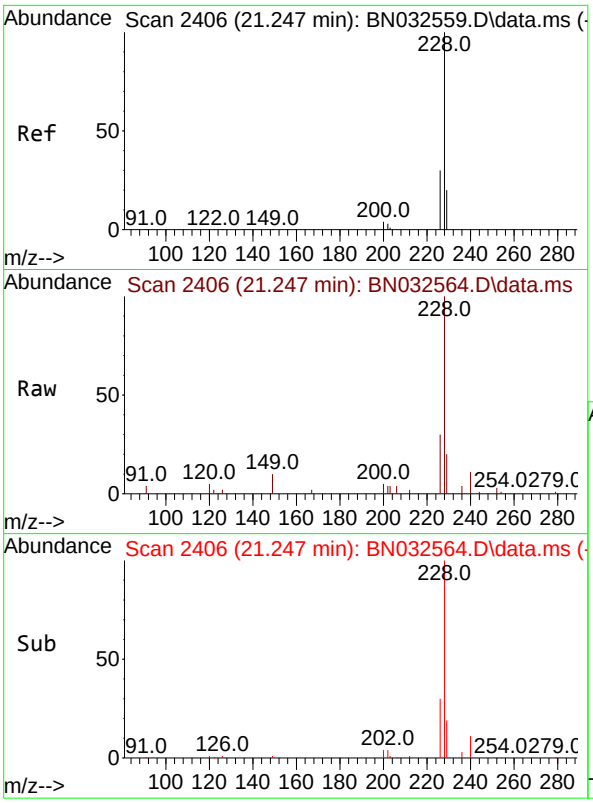


#32
Benzo(a)anthracene
Concen: 0.332 ng
RT: 21.202 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:228 Resp: 18368

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	20.1	16.0	24.0



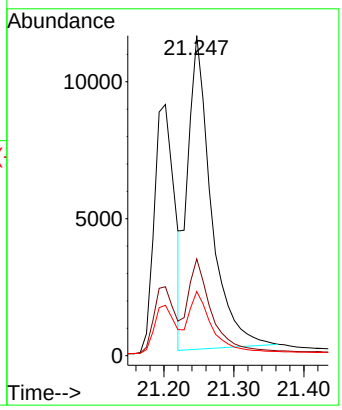


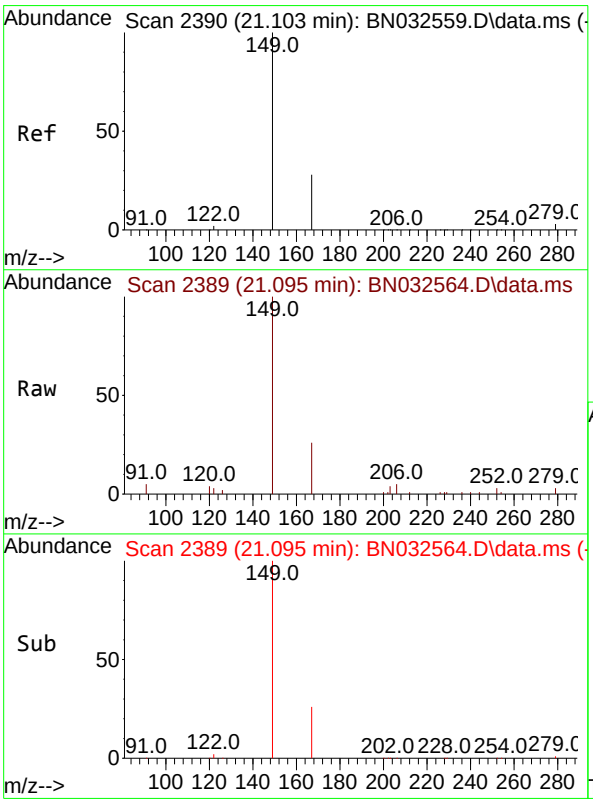
#33
Chrysene
Concen: 0.404 ng
RT: 21.247 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:228 Resp: 26567

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	20.1	16.1	24.1

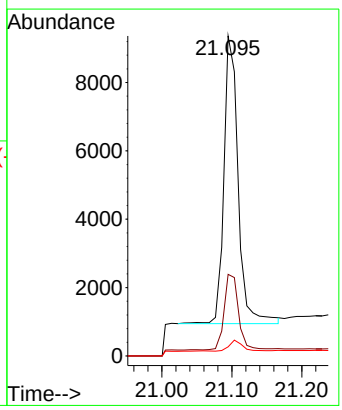


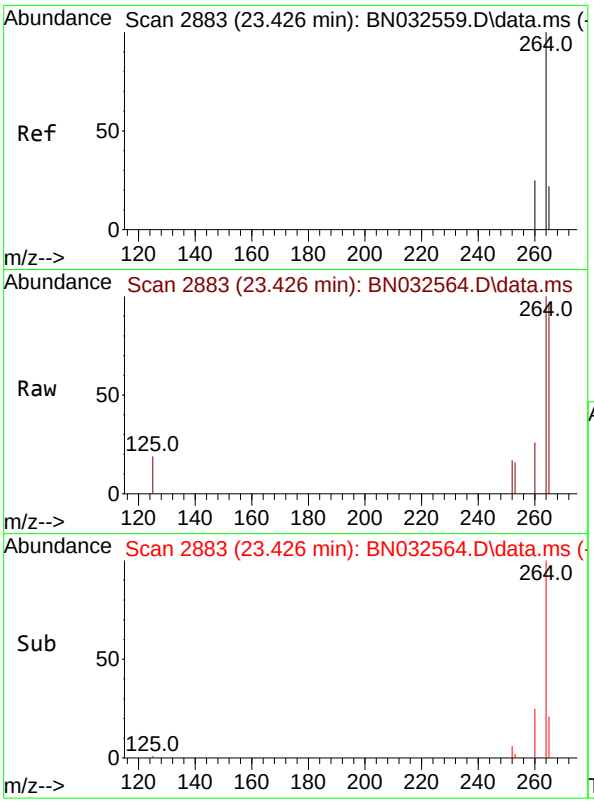


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.316 ng
RT: 21.095 min Scan# 2389
Delta R.T. -0.009 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:149 Resp: 11875

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.6	32.4
279	3.9	3.0	4.6



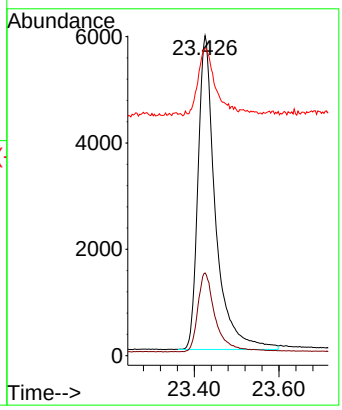


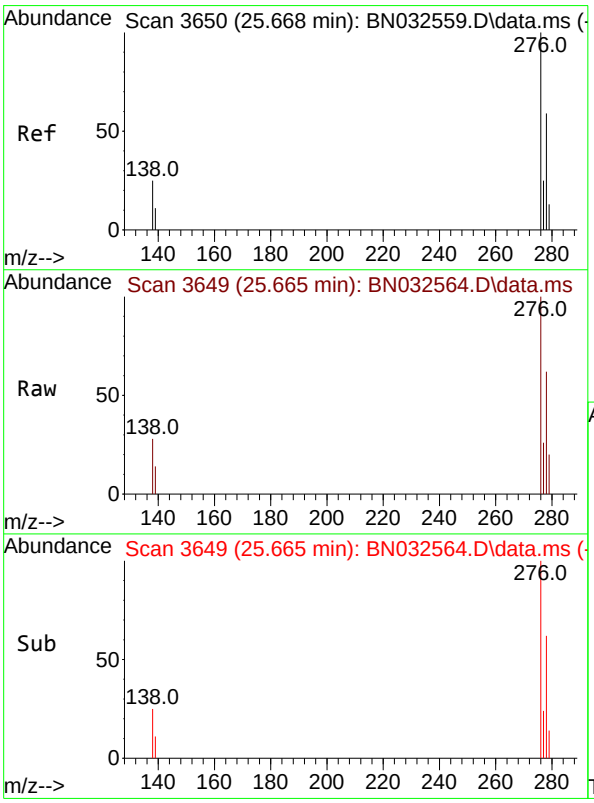
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.426 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:264 Resp: 16900

Ion	Ratio	Lower	Upper
264	100		
260	25.8	21.0	31.6
265	95.9	76.6	115.0

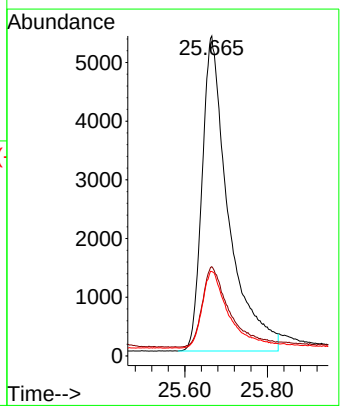


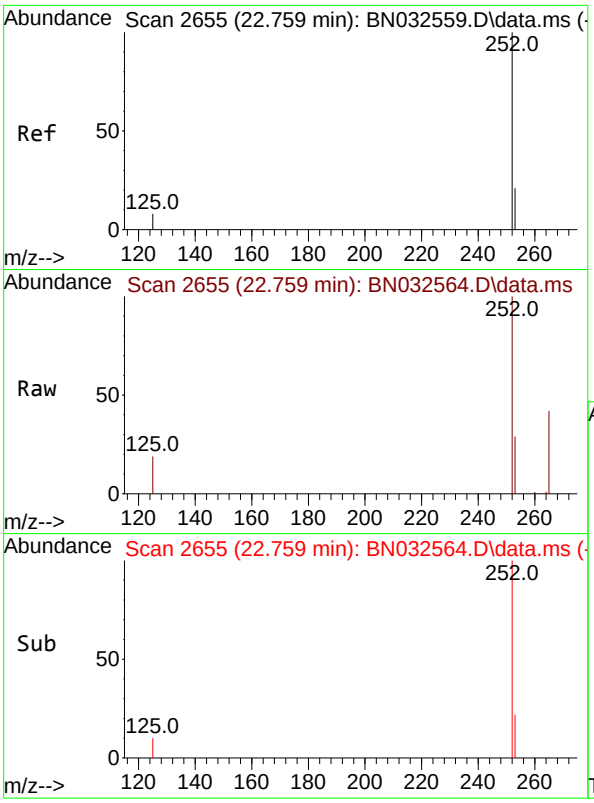


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.368 ng
RT: 25.665 min Scan# 3649
Delta R.T. -0.003 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:276 Resp: 23746

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.4	32.0
277	25.2	19.9	29.9



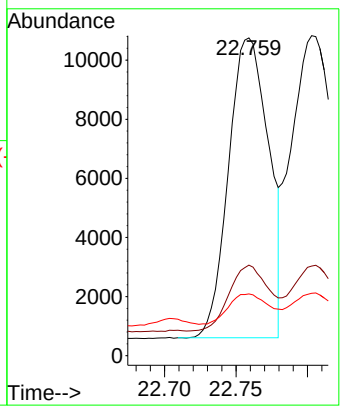


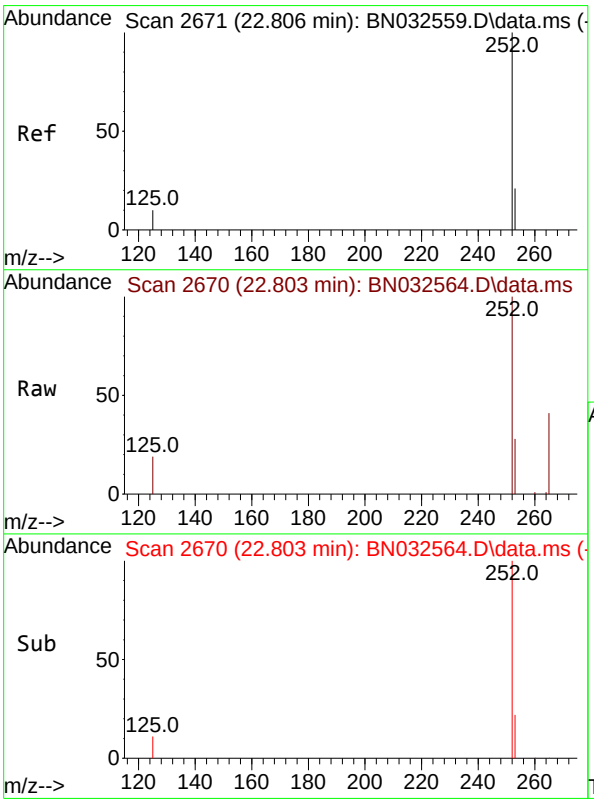
#37
Benzo(b)fluoranthene
Concen: 0.352 ng
RT: 22.759 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:252 Resp: 19810

Ion	Ratio	Lower	Upper
252	100		
253	28.5	22.2	33.4
125	19.4	15.4	23.0

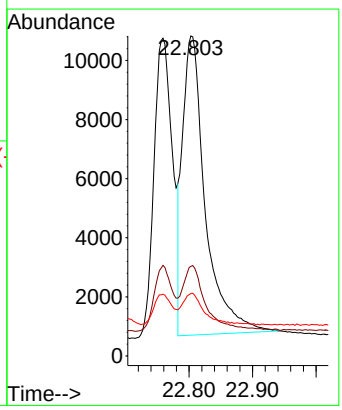


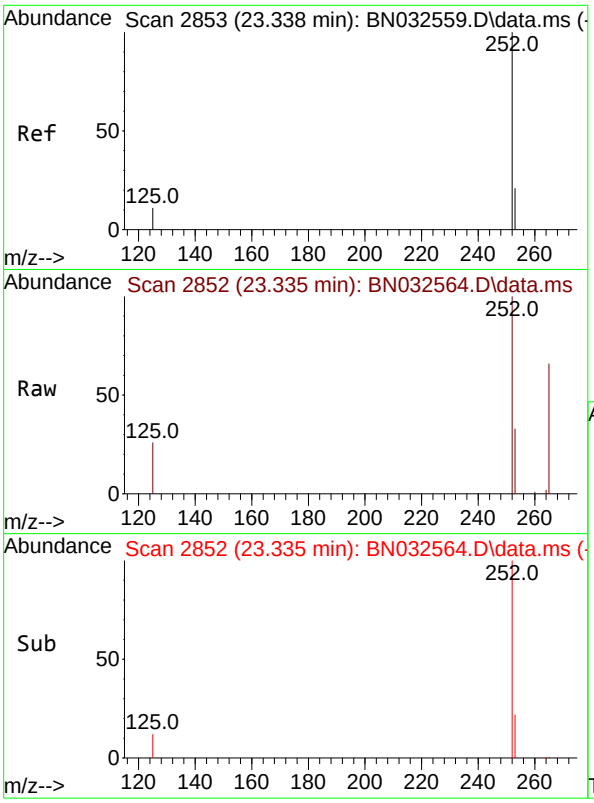


#38
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 22.803 min Scan# 2670
Delta R.T. -0.003 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:252 Resp: 25257

Ion	Ratio	Lower	Upper
252	100		
253	28.0	21.9	32.9
125	19.5	15.3	22.9



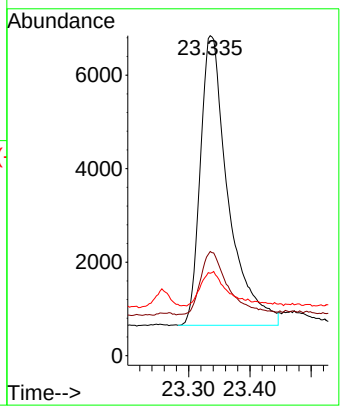


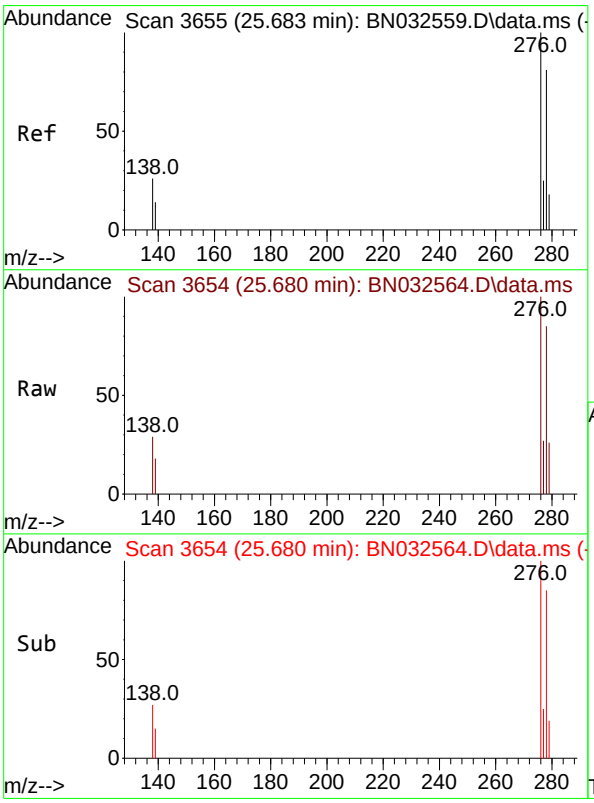
#39
Benzo(a)pyrene
Concen: 0.366 ng
RT: 23.335 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:252 Resp: 19522

Ion	Ratio	Lower	Upper
252	100		
253	32.6	25.5	38.3
125	25.8	20.7	31.1

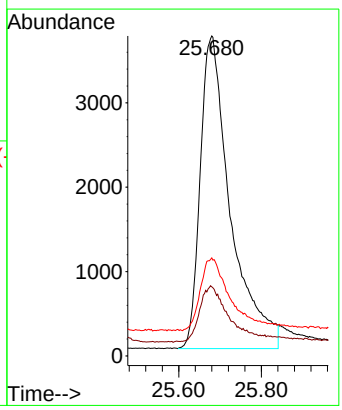


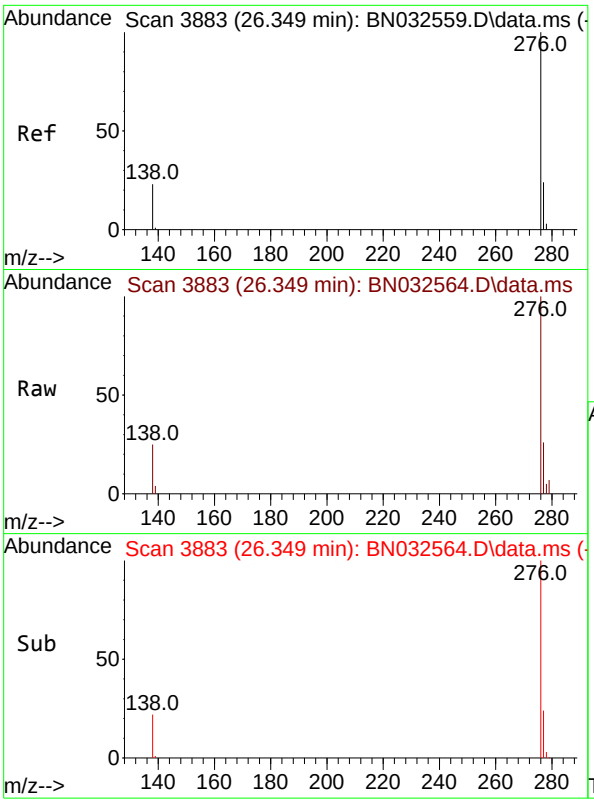


#40
Dibenzo(a,h)anthracene
Concen: 0.367 ng
RT: 25.680 min Scan# 3654
Delta R.T. -0.003 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Tgt Ion:278 Resp: 18807

Ion	Ratio	Lower	Upper
278	100		
139	21.6	17.8	26.6
279	30.7	24.4	36.6





#41
Benzo(g,h,i)perylene
Concen: 0.375 ng
RT: 26.349 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN032564.D
Acq: 09 Jul 2024 00:03

Instrument :
BNA_N
ClientSampleId :
ICVBN070924

Tgt Ion:276 Resp: 20928

Ion	Ratio	Lower	Upper
276	100		
277	26.1	21.5	32.3
138	24.6	21.4	32.0