Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070924\
Data File : BN032562.D
Acq On : 08 Jul 2024 22:15
Operator : MA/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Jul 09 02:23:11 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 02:20:28 2024
Response via : Initial Calibration

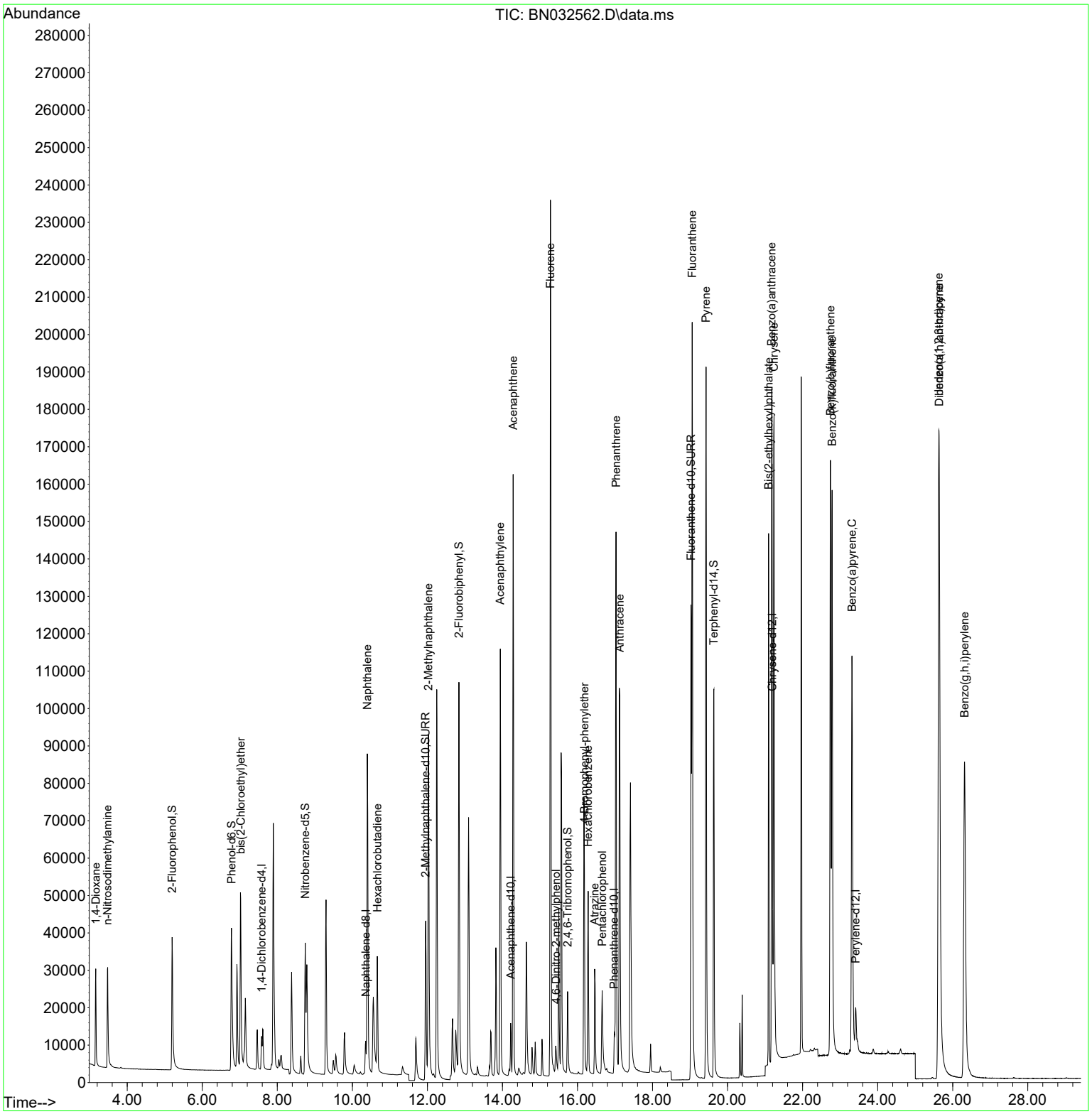
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.581	152	4786	0.400	ng		0.00
7) Naphthalene-d8	10.357	136	14292	0.400	ng		#-0.02
13) Acenaphthene-d10	14.221	164	8286	0.400	ng		-0.01
19) Phenanthrene-d10	16.979	188	17796	0.400	ng		#-0.02
29) Chrysene-d12	21.193	240	16278	0.400	ng		-0.02
35) Perylene-d12	23.417	264	17589	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.198	112	40787	3.401	ng		-0.01
5) Phenol-d6	6.779	99	52529	3.442	ng		-0.04
8) Nitrobenzene-d5	8.745	82	36694	3.532	ng		-0.05
11) 2-Methylnaphthalene-d10	11.952	152	72729	3.287	ng		-0.03
14) 2,4,6-Tribromophenol	15.738	330	13640	3.512	ng		-0.02
15) 2-Fluorobiphenyl	12.842	172	108431	3.504	ng		-0.02
27) Fluoranthene-d10	19.026	212	158405	3.415	ng		-0.02
31) Terphenyl-d14	19.634	244	125102	3.147	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.161	88	18004	2.804	ng		97
3) n-Nitrosodimethylamine	3.472	42	15256	3.274	ng	#	97
6) bis(2-Chloroethyl)ether	7.025	93	42307	4.368	ng		97
9) Naphthalene	10.400	128	128461	3.284	ng		96
10) Hexachlorobutadiene	10.667	225	24097	3.099	ng	#	100
12) 2-Methylnaphthalene	12.028	142	84816	3.305	ng		98
16) Acenaphthylene	13.943	152	127642	3.598	ng		100
17) Acenaphthene	14.285	154	82997	3.349	ng		100
18) Fluorene	15.279	166	108146	3.341	ng		100
20) 4,6-Dinitro-2-methylph...	15.429	198	9833	4.251	ng	#	20
21) 4-Bromophenyl-phenylether	16.185	248	34802	3.359	ng	#	82
22) Hexachlorobenzene	16.284	284	38018	3.248	ng		99
23) Atrazine	16.458	200	28759	3.539	ng		92
24) Pentachlorophenol	16.656	266	16281	4.062	ng		98
25) Phenanthrene	17.029	178	164224	3.394	ng		100
26) Anthracene	17.128	178	146316	3.763	ng		99
28) Fluoranthene	19.058	202	198861	3.405	ng		100
30) Pyrene	19.425	202	204752	3.092	ng		100
32) Benzo(a)anthracene	21.175	228	188648	3.504	ng		99
33) Chrysene	21.238	228	196439	3.390	ng		99
34) Bis(2-ethylhexyl)phtha...	21.094	149	124990	3.416	ng		99
36) Indeno(1,2,3-cd)pyrene	25.630	276	241875	3.646	ng		100
37) Benzo(b)fluoranthene	22.741	252	206754	3.527	ng	#	87
38) Benzo(k)fluoranthene	22.785	252	211909	3.138	ng	#	87
39) Benzo(a)pyrene	23.317	252	183129	3.300	ng	#	79
40) Dibenzo(a,h)anthracene	25.642	278	193208	3.677	ng	#	89
41) Benzo(g,h,i)perylene	26.317	276	206076	3.582	ng		94

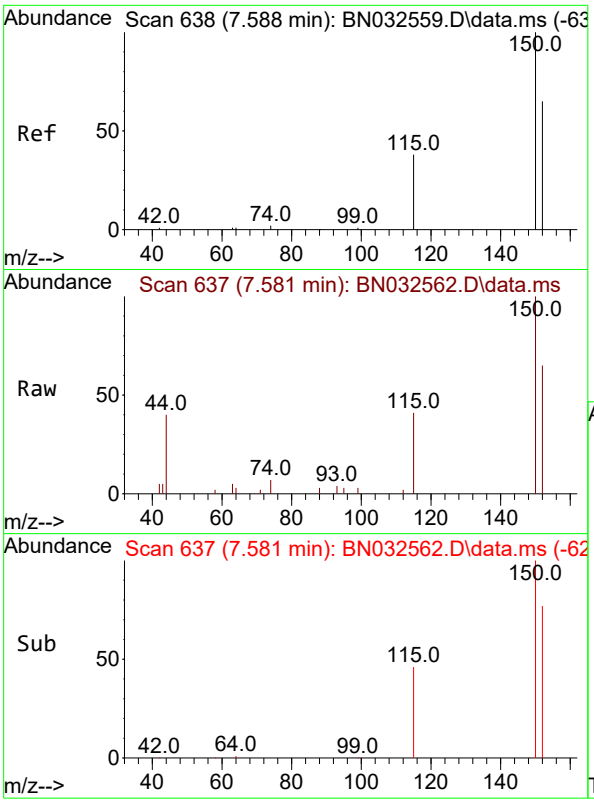
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070924\
Data File : BN032562.D
Acq On : 08 Jul 2024 22:15
Operator : MA/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Jul 09 02:23:11 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 02:20:28 2024
Response via : Initial Calibration



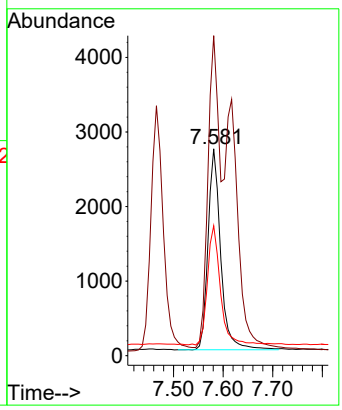


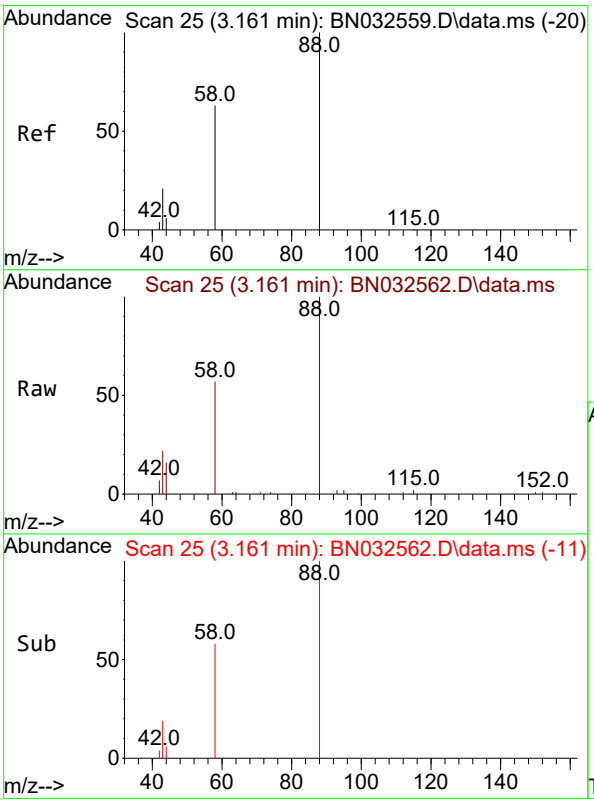
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.581 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 4786

Ion	Ratio	Lower	Upper
152	100		
150	154.7	121.6	182.4
115	62.8	53.1	79.7

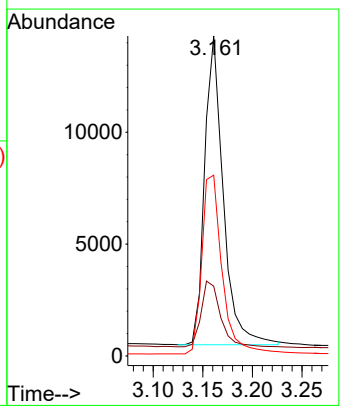


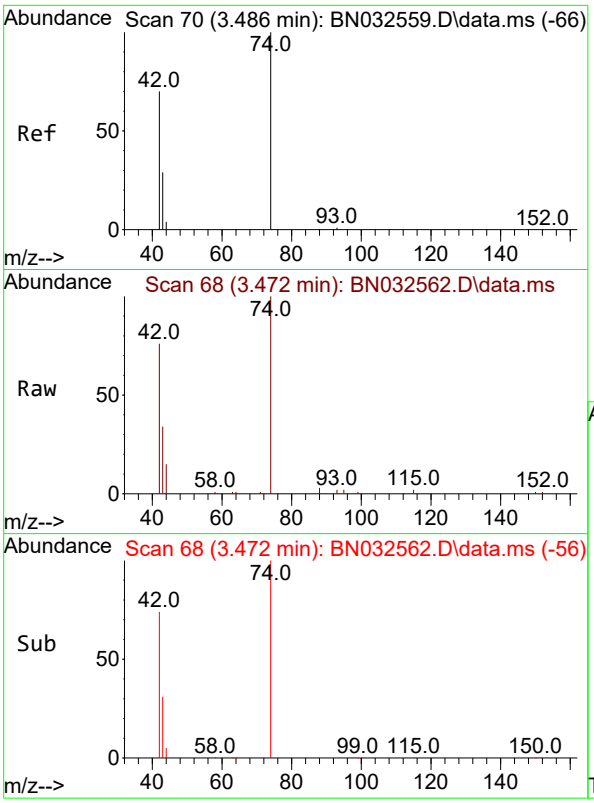


#2
1,4-Dioxane
Concen: 2.804 ng
RT: 3.161 min Scan# 25
Delta R.T. 0.000 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion: 88 Resp: 18004

Ion	Ratio	Lower	Upper
88	100		
43	21.9	20.4	30.6
58	63.2	51.0	76.6



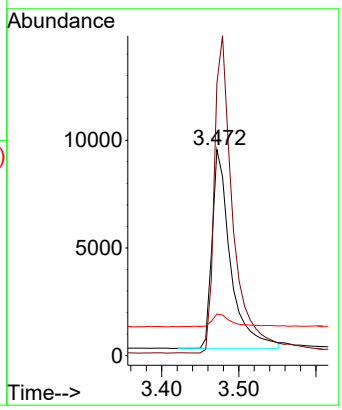


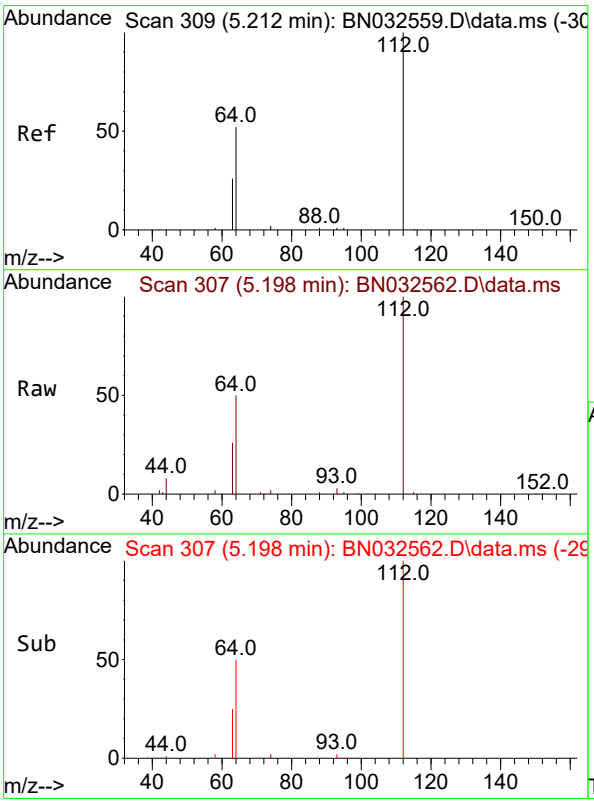
#3
n-Nitrosodimethylamine
Concen: 3.274 ng
RT: 3.472 min Scan# 6
Delta R.T. -0.014 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 15256

Ion	Ratio	Lower	Upper
42	100		
74	161.7	126.8	190.2
44	7.6	8.7	13.1#

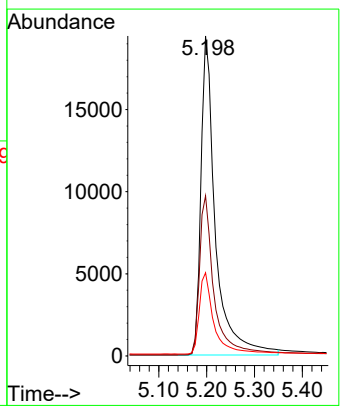


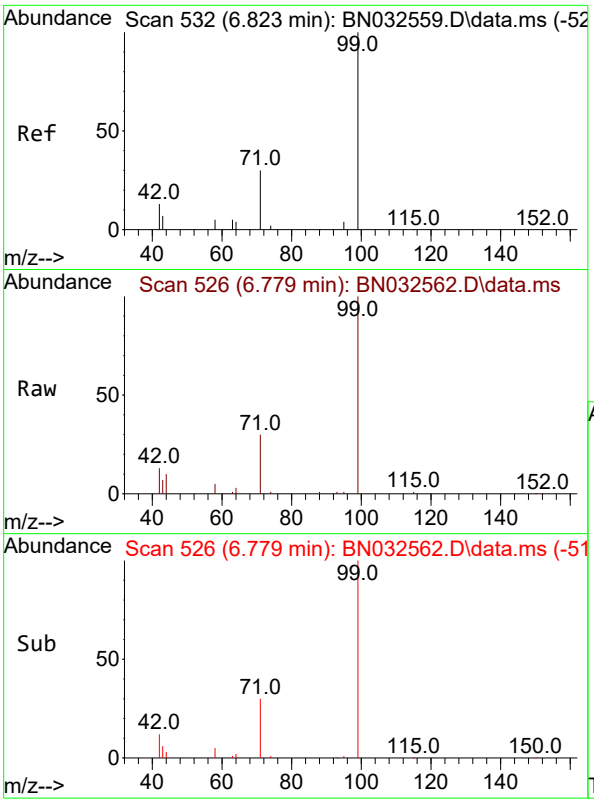


#4
2-Fluorophenol
Concen: 3.401 ng
RT: 5.198 min Scan# 307
Delta R.T. -0.014 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:112 Resp: 40787

Ion	Ratio	Lower	Upper
112	100		
64	50.3	41.2	61.8
63	25.8	21.6	32.4



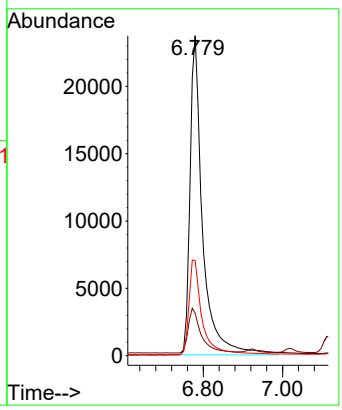


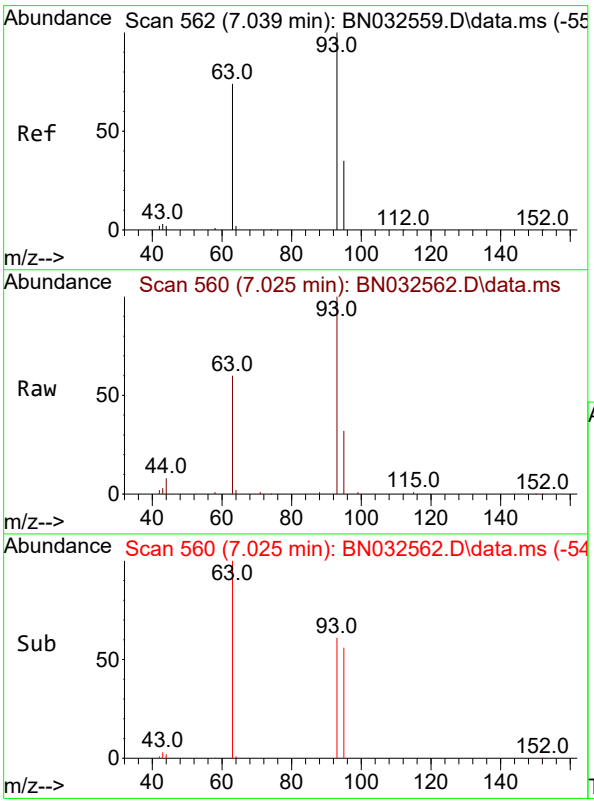
#5
Phenol-d6
Concen: 3.442 ng
RT: 6.779 min Scan# 5
Delta R.T. -0.043 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 52529

Ion	Ratio	Lower	Upper
99	100		
42	14.5	10.6	16.0
71	30.8	25.2	37.8

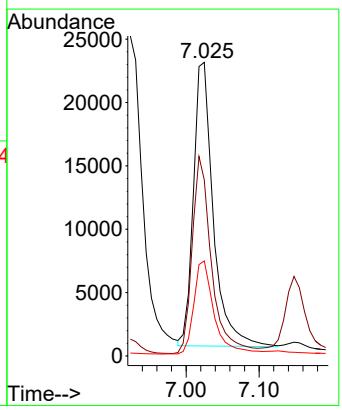


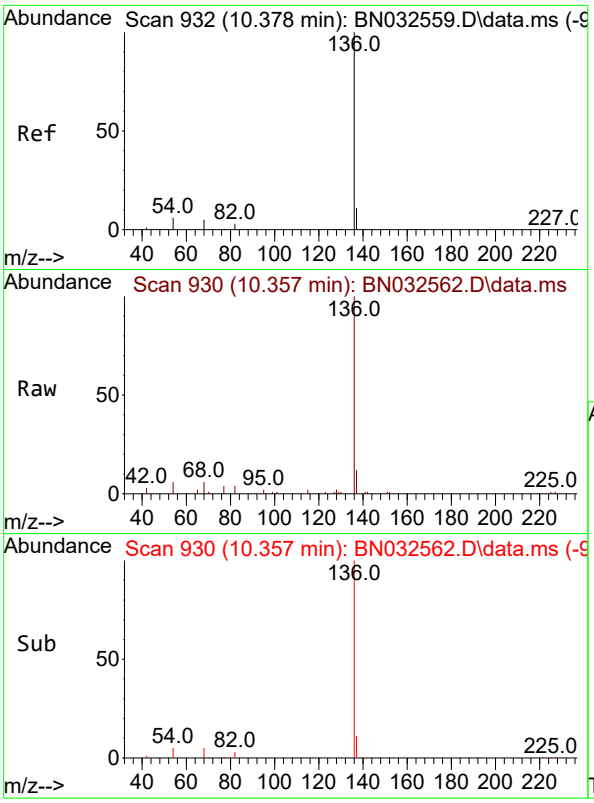


#6
bis(2-Chloroethyl)ether
Concen: 4.368 ng
RT: 7.025 min Scan# 560
Delta R.T. -0.014 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion: 93 Resp: 42307

Ion	Ratio	Lower	Upper
93	100		
63	67.7	54.1	81.1
95	33.5	30.5	45.7



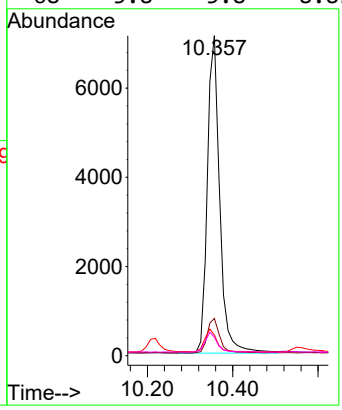


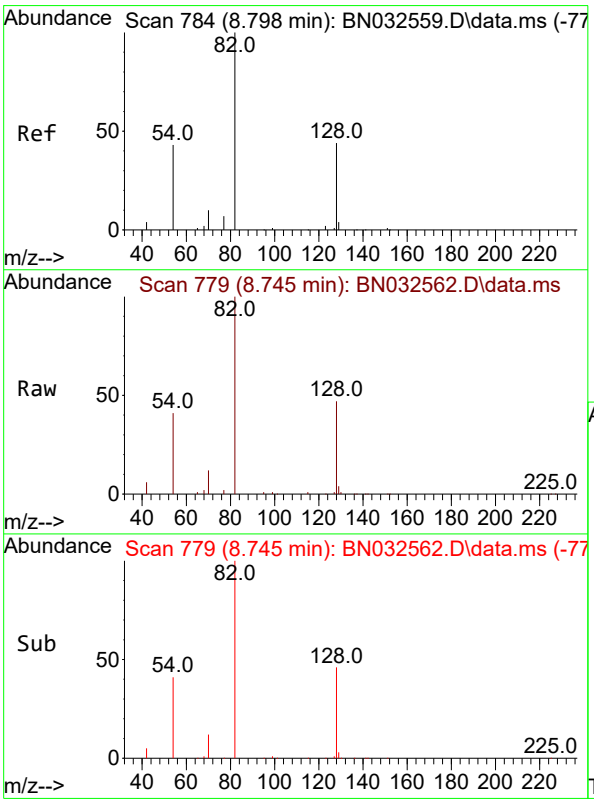
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.357 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 14292

Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.0	15.0
54	6.4	6.6	9.8#
68	5.8	5.8	8.8#

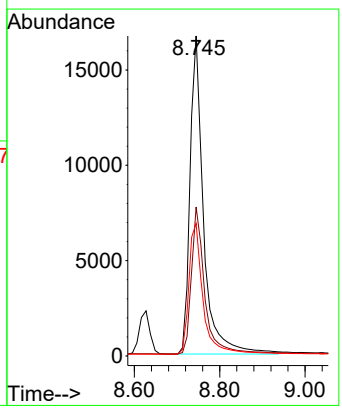


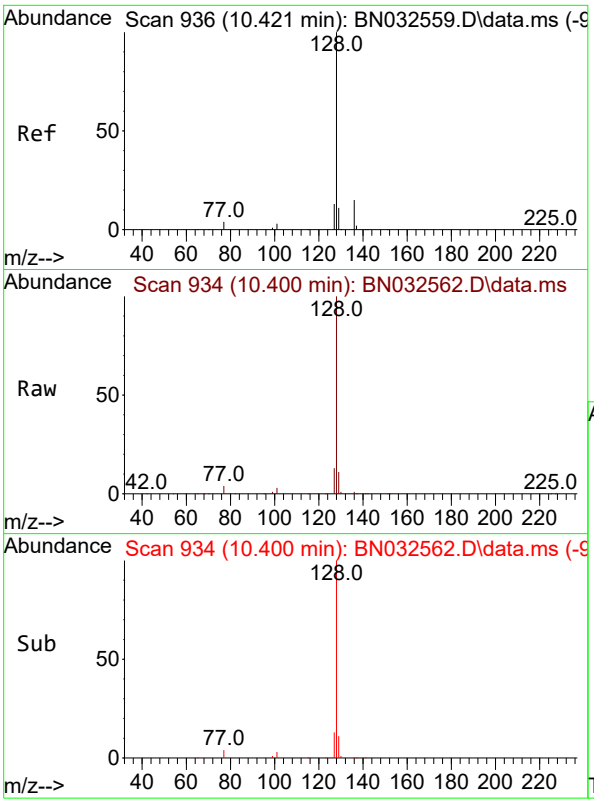


#8
Nitrobenzene-d5
Concen: 3.532 ng
RT: 8.745 min Scan# 779
Delta R.T. -0.053 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion: 82 Resp: 36694

Ion	Ratio	Lower	Upper
82	100		
128	46.5	43.4	65.2
54	41.4	40.2	60.2



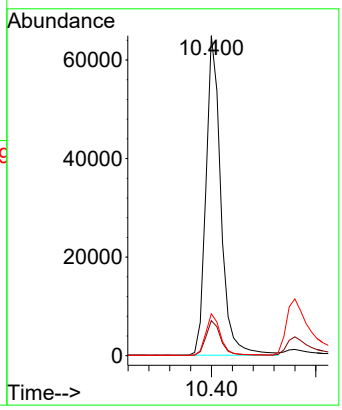


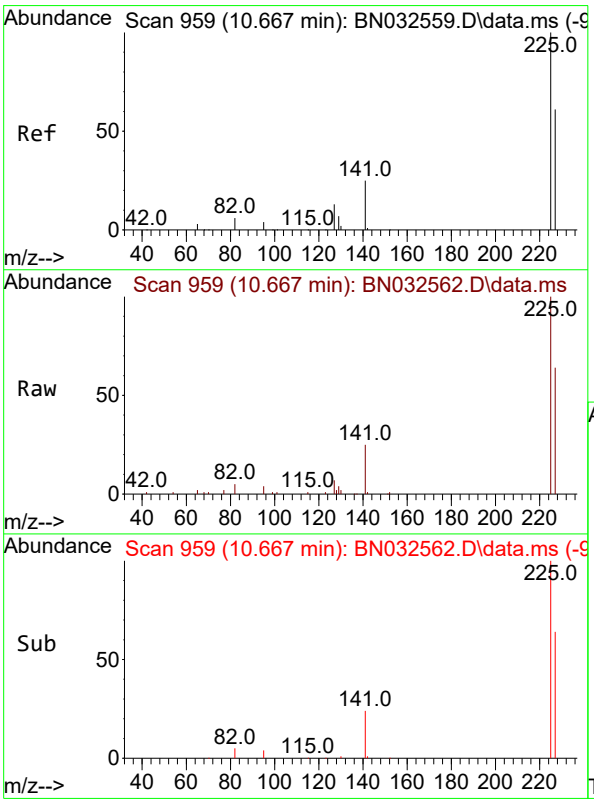
#9
Naphthalene
Concen: 3.284 ng
RT: 10.400 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 128461

Ion	Ratio	Lower	Upper
128	100		
129	10.9	10.2	15.4
127	13.1	11.4	17.0

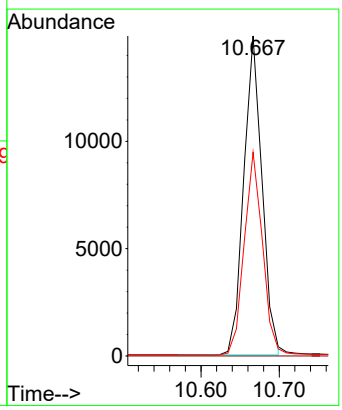


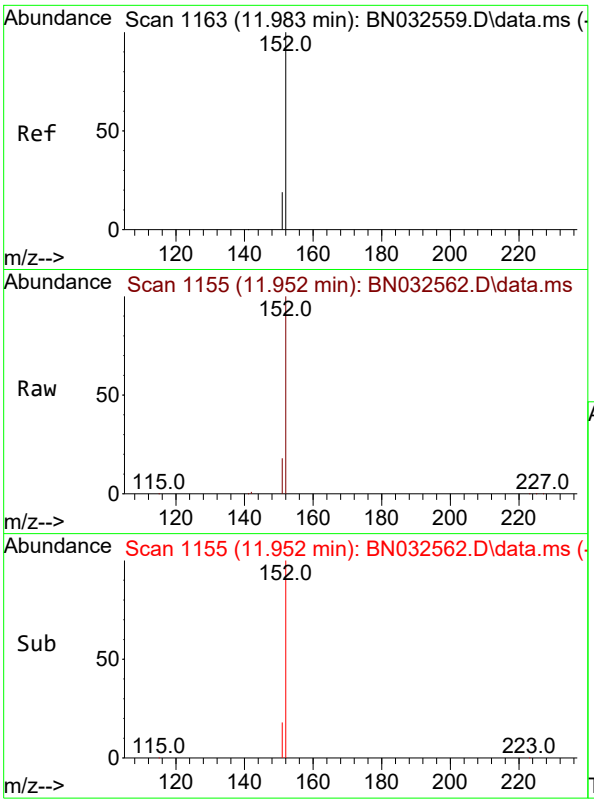


#10
Hexachlorobutadiene
Concen: 3.099 ng
RT: 10.667 min Scan# 959
Delta R.T. 0.000 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:225 Resp: 24097

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.6	76.0



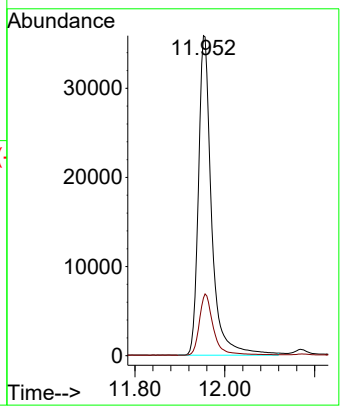


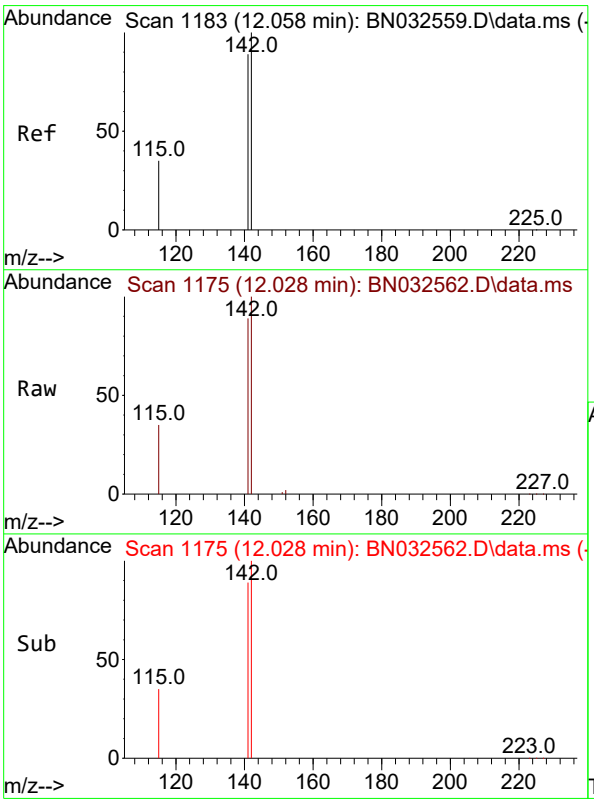
#11
2-Methylnaphthalene-d10
Concen: 3.287 ng
RT: 11.952 min Scan# 11
Delta R.T. -0.030 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 72729

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6

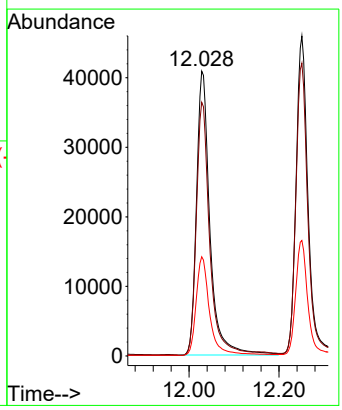


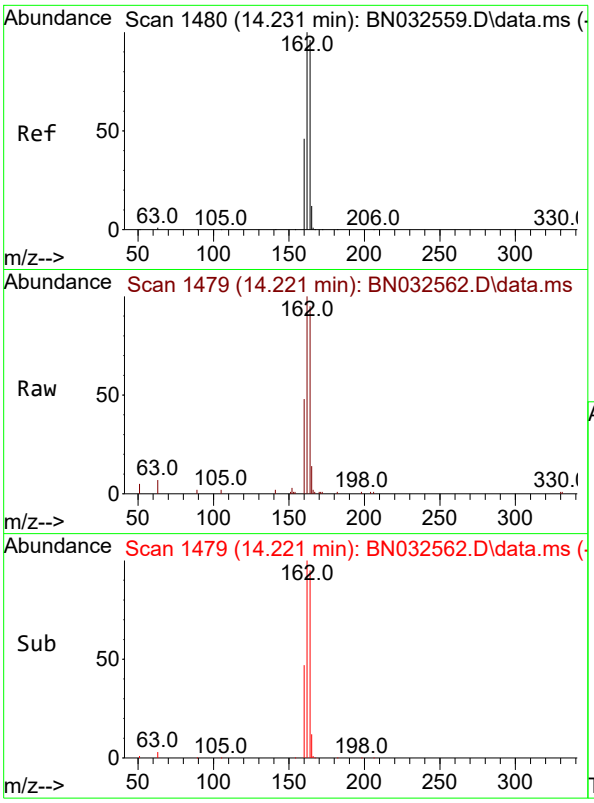


#12
2-Methylnaphthalene
Concen: 3.305 ng
RT: 12.028 min Scan# 1175
Delta R.T. -0.030 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:142 Resp: 84816

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.0	106.6
115	34.9	30.5	45.7



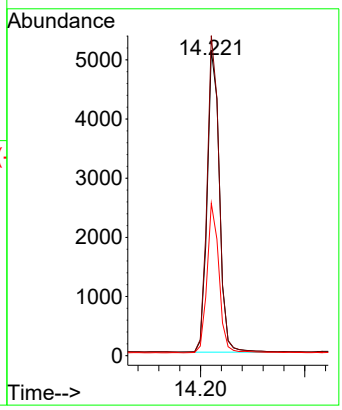


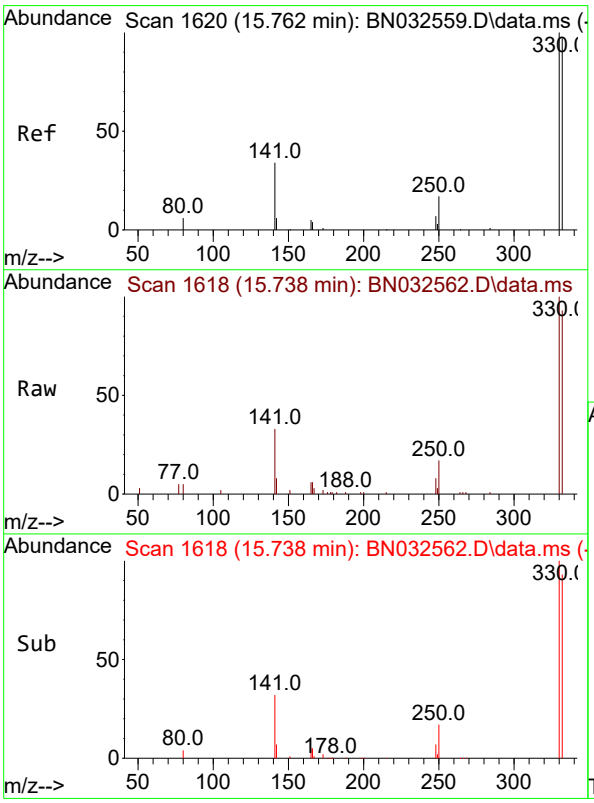
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.221 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 8286

Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.2	124.8
160	49.9	38.6	57.8

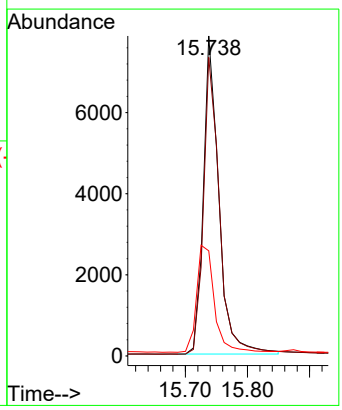


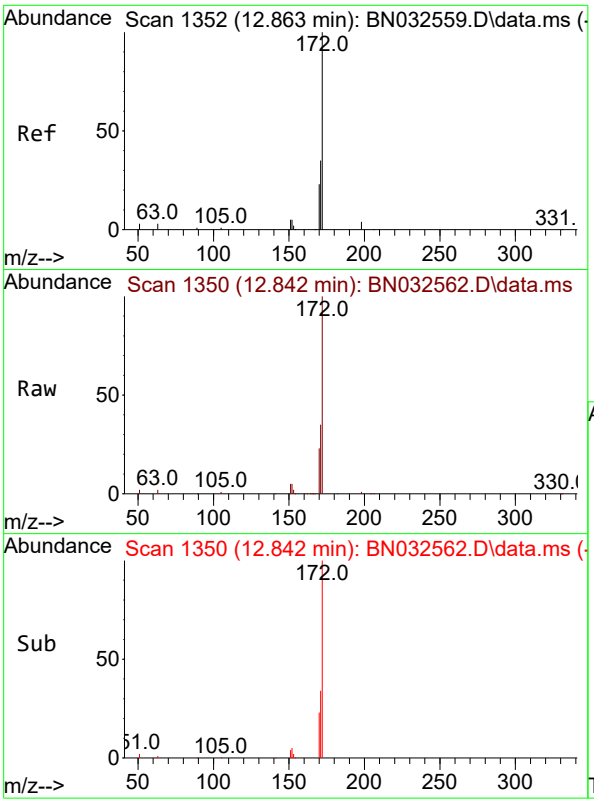


#14
2,4,6-Tribromophenol
Concen: 3.512 ng
RT: 15.738 min Scan# 1618
Delta R.T. -0.025 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:330 Resp: 13640

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.7	116.5
141	38.6	31.8	47.8



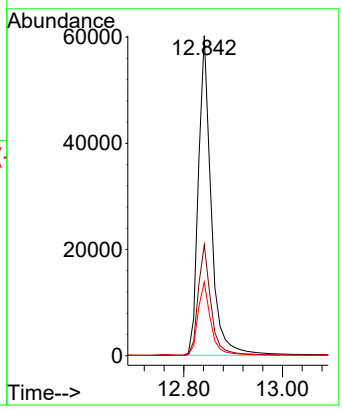


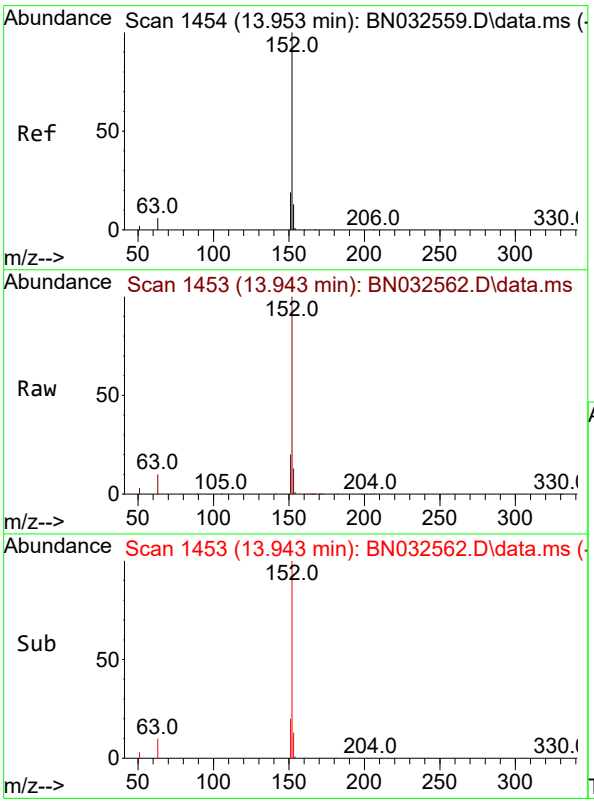
#15
2-Fluorobiphenyl
Concen: 3.504 ng
RT: 12.842 min Scan# 1
Delta R.T. -0.021 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 108431

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.5	42.7
170	23.0	19.2	28.8

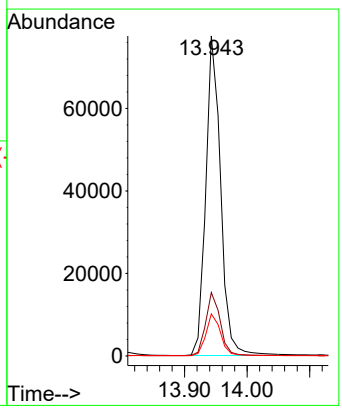


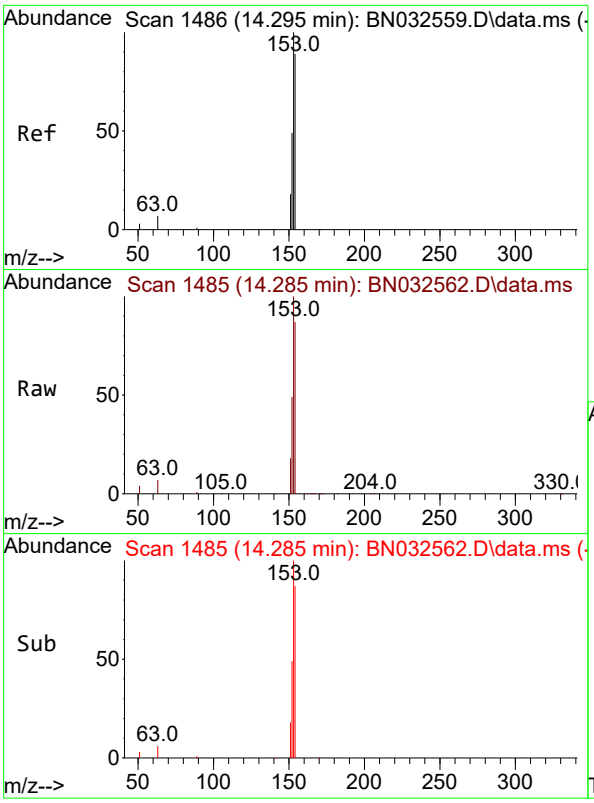


#16
Acenaphthylene
Concen: 3.598 ng
RT: 13.943 min Scan# 1453
Delta R.T. -0.011 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:152 Resp: 127642

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	13.0	10.5	15.7



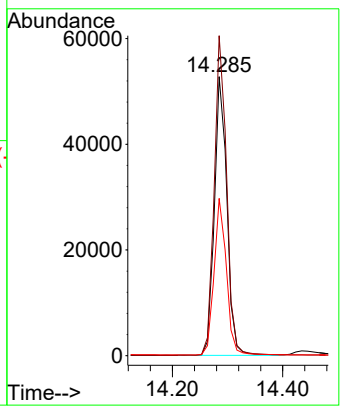


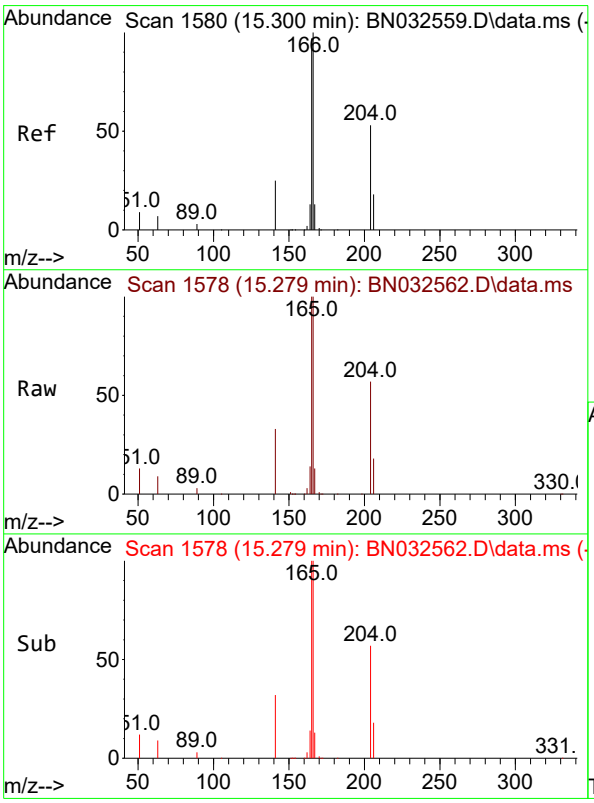
#17
Acenaphthene
Concen: 3.349 ng
RT: 14.285 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 82997

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.9	136.3
152	55.3	44.4	66.6

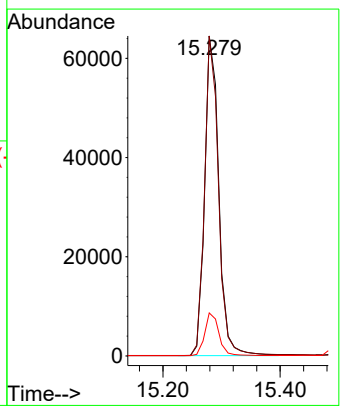


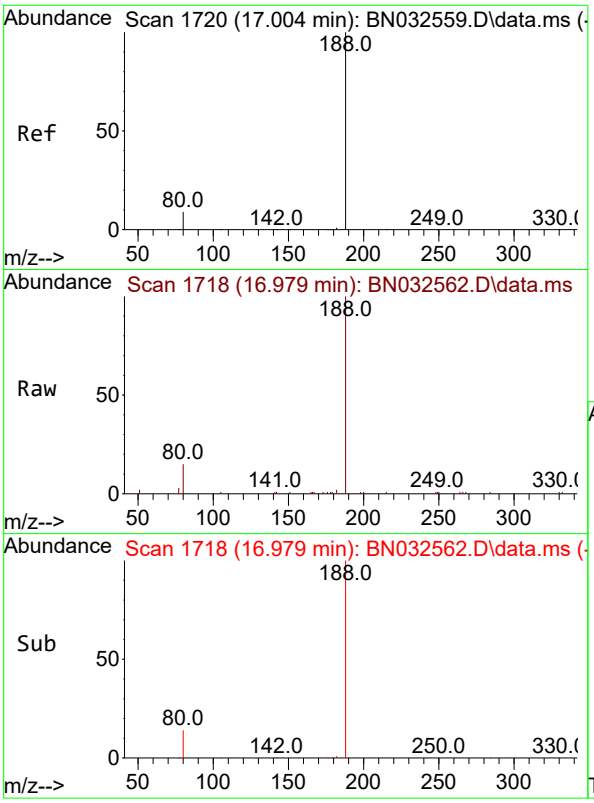


#18
Fluorene
Concen: 3.341 ng
RT: 15.279 min Scan# 1578
Delta R.T. -0.021 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:166 Resp: 108146

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



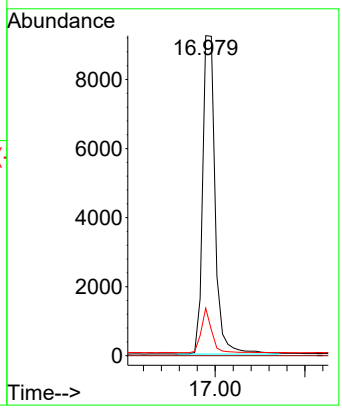


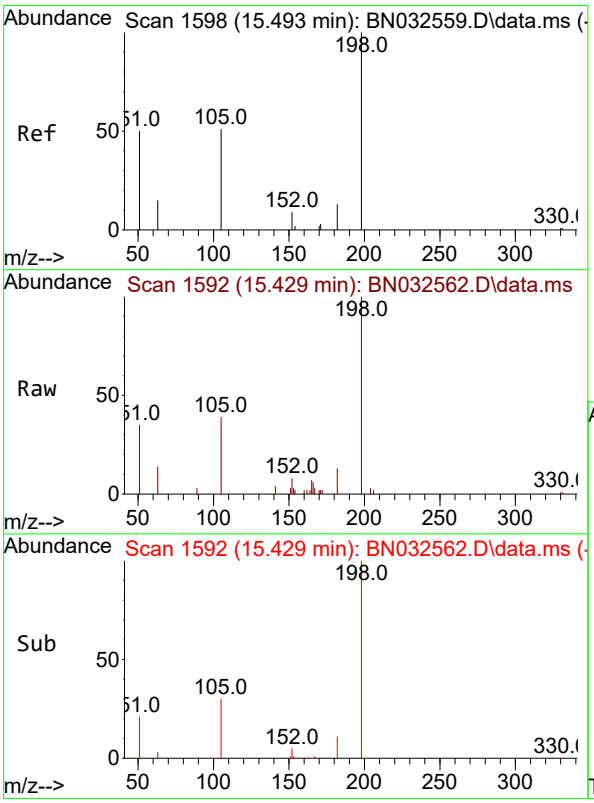
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.979 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 17796

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.9	7.8	11.6#

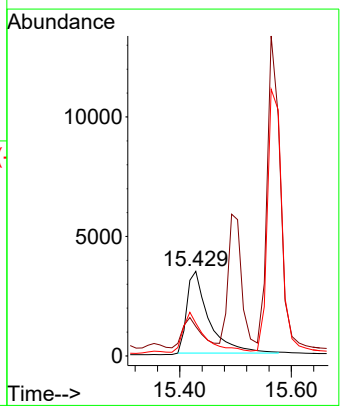


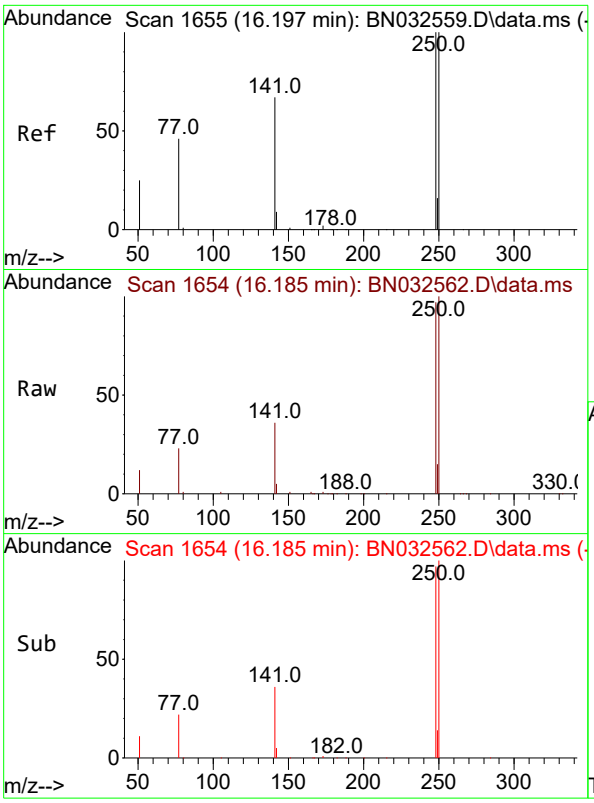


#20
4,6-Dinitro-2-methylphenol
Concen: 4.251 ng
RT: 15.429 min Scan# 1592
Delta R.T. -0.064 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:198 Resp: 9833

Ion	Ratio	Lower	Upper
198	100		
51	34.8	123.4	185.2#
105	38.7	79.5	119.3#



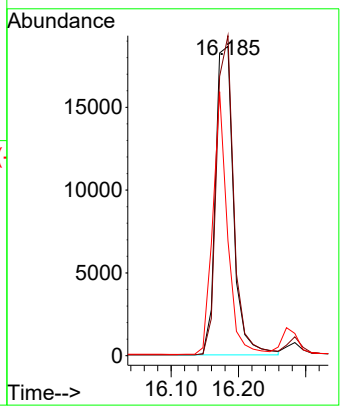


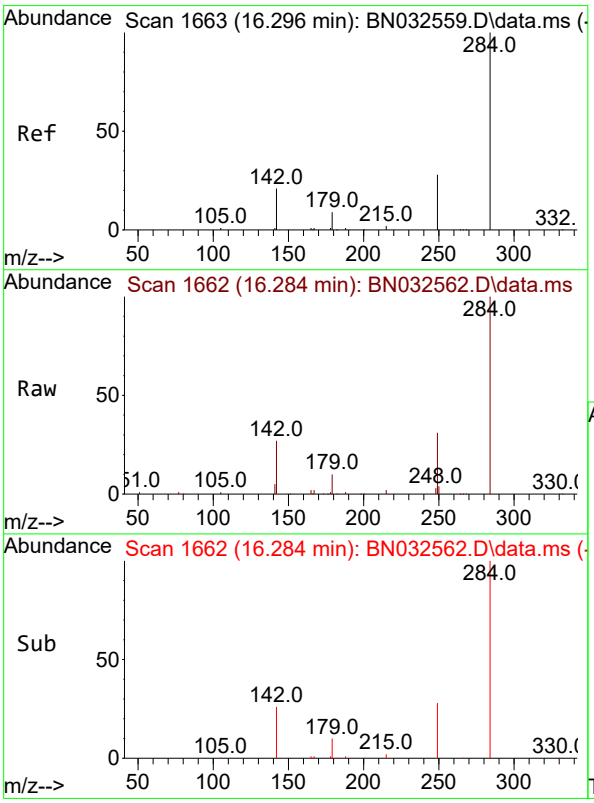
#21
4-Bromophenyl-phenylether
Concen: 3.359 ng
RT: 16.185 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 34802

Ion	Ratio	Lower	Upper
248	100		
250	103.5	80.2	120.2
141	37.2	55.7	83.5#

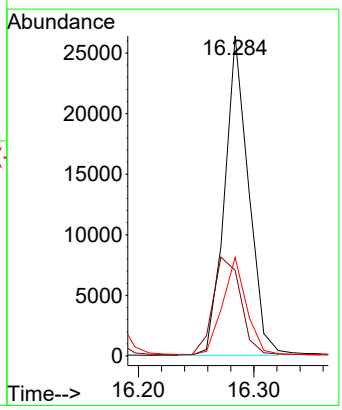


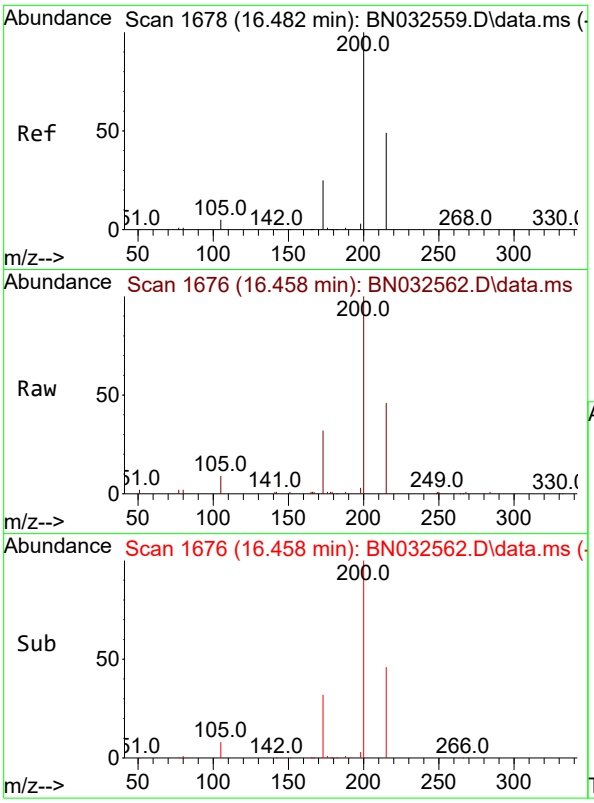


#22
Hexachlorobenzene
Concen: 3.248 ng
RT: 16.284 min Scan# 1662
Delta R.T. -0.012 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:284 Resp: 38018

Ion	Ratio	Lower	Upper
284	100		
142	35.4	27.6	41.4
249	30.1	23.6	35.4



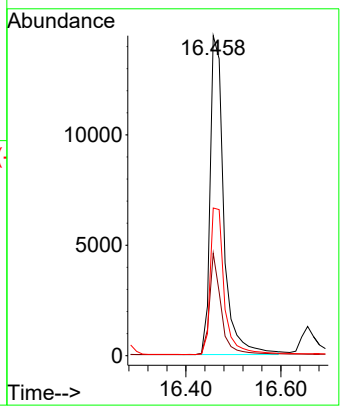


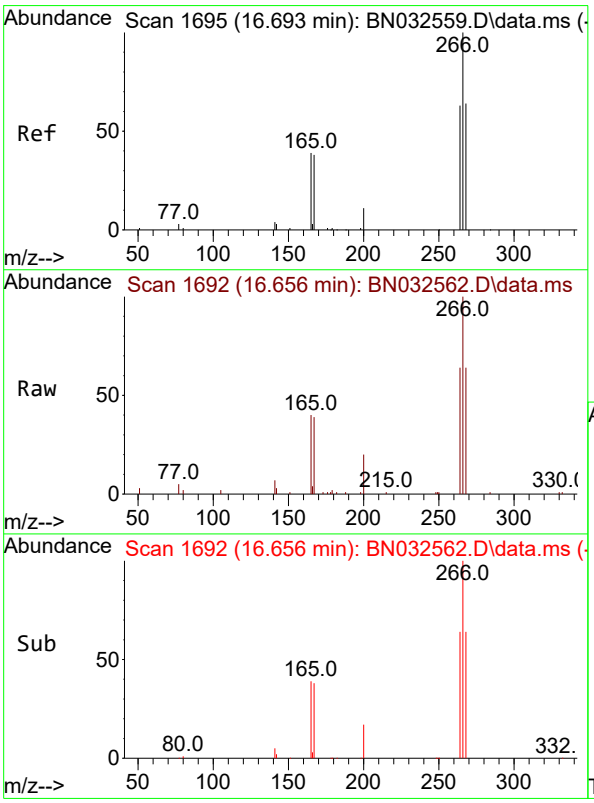
#23
Atrazine
Concen: 3.539 ng
RT: 16.458 min Scan# 1(
Delta R.T. -0.025 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 28759

Ion	Ratio	Lower	Upper
200	100		
173	32.0	22.3	33.5
215	46.1	41.0	61.6

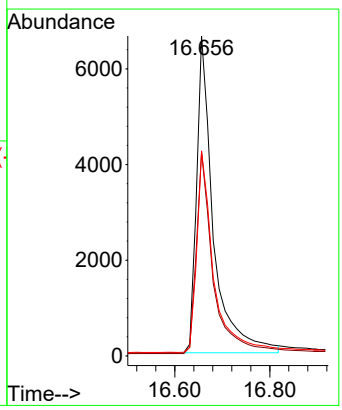


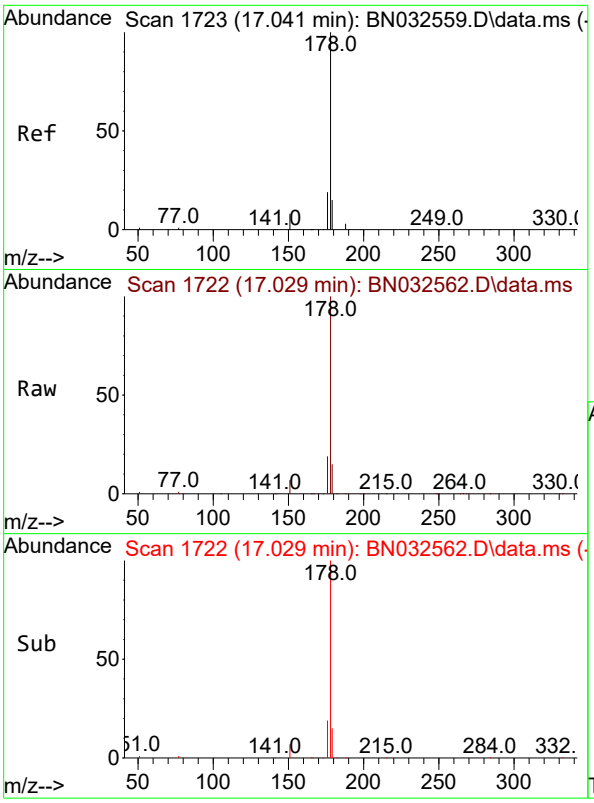


#24
Pentachlorophenol
Concen: 4.062 ng
RT: 16.656 min Scan# 1692
Delta R.T. -0.037 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:266 Resp: 16281

Ion	Ratio	Lower	Upper
266	100		
264	63.3	49.6	74.4
268	64.0	52.2	78.2



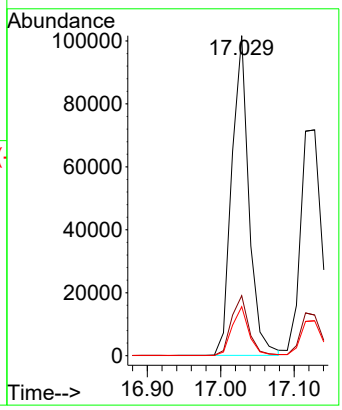


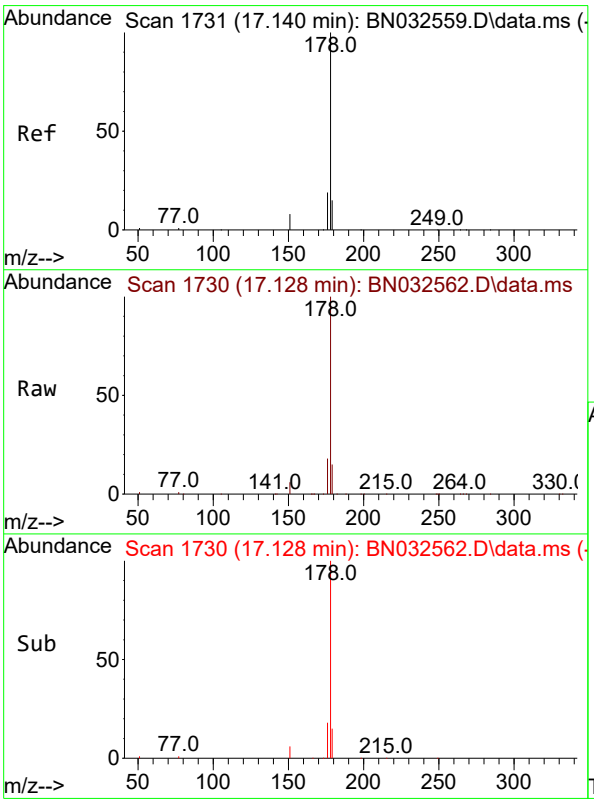
#25
Phenanthrene
Concen: 3.394 ng
RT: 17.029 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 164224

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.2	12.2	18.4

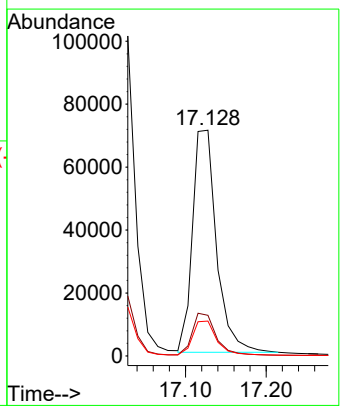


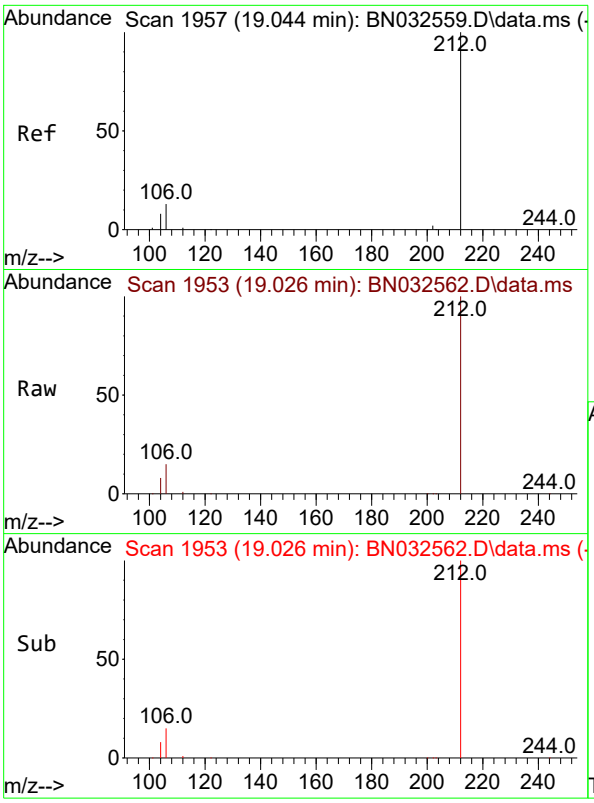


#26
Anthracene
Concen: 3.763 ng
RT: 17.128 min Scan# 1730
Delta R.T. -0.012 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:178 Resp: 146316

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.3	11.9	17.9



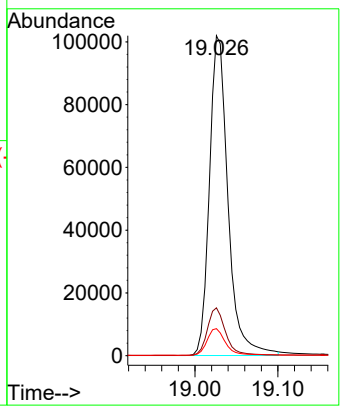


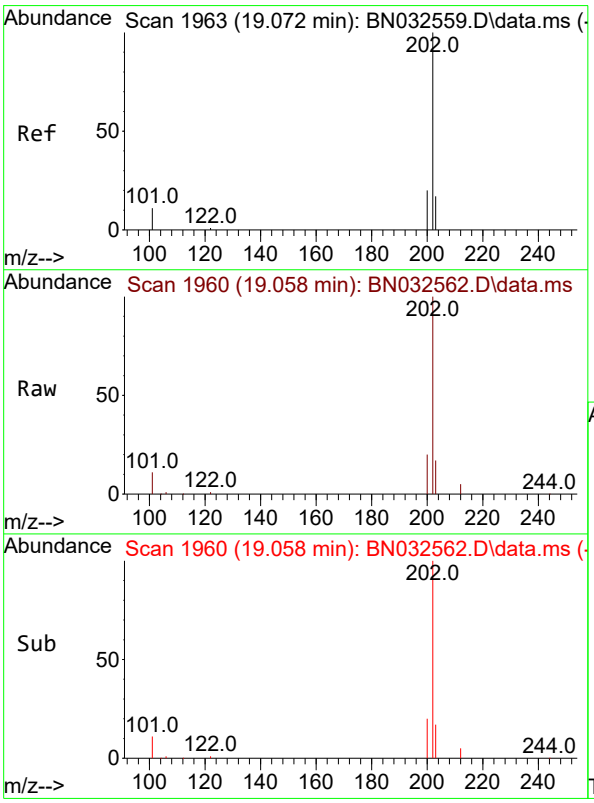
#27
Fluoranthene-d10
Concen: 3.415 ng
RT: 19.026 min Scan# 1
Delta R.T. -0.019 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 158405

Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.8	17.8
104	8.3	6.9	10.3

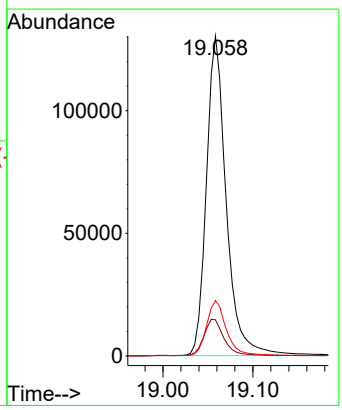


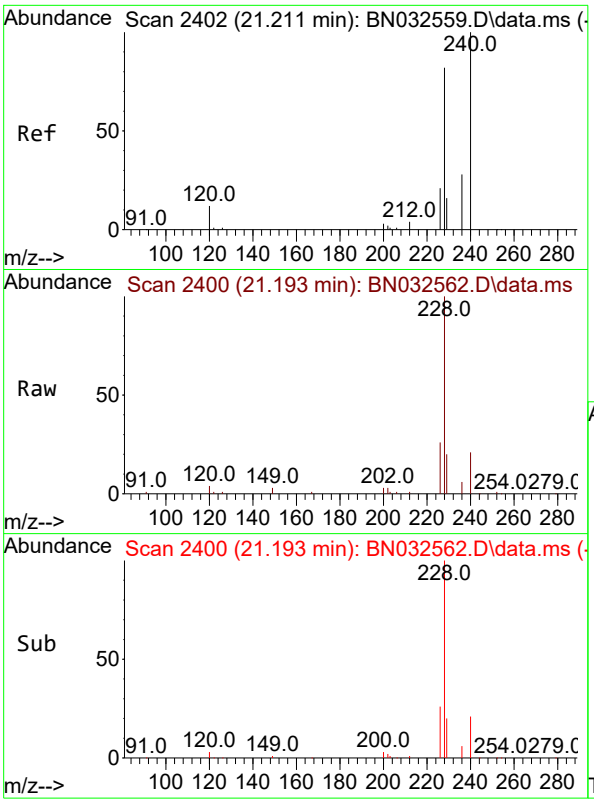


#28
Fluoranthene
Concen: 3.405 ng
RT: 19.058 min Scan# 1960
Delta R.T. -0.014 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:202 Resp: 198861

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.5	14.3
203	17.2	13.8	20.6



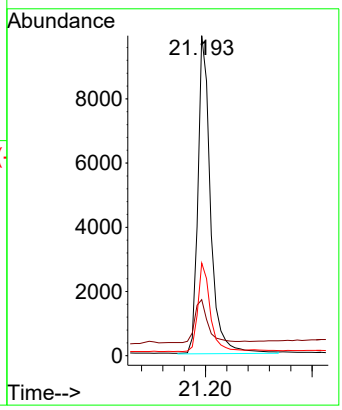


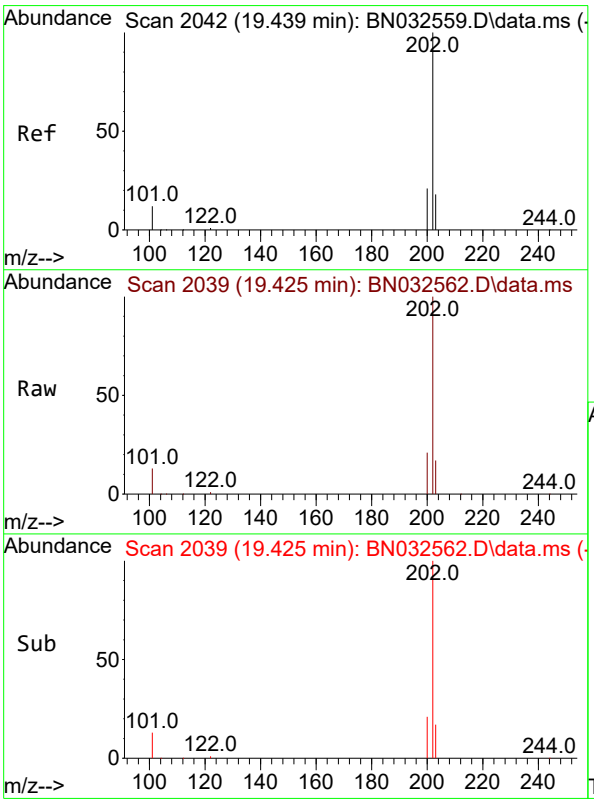
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.193 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 16278

Ion	Ratio	Lower	Upper
240	100		
120	17.5	13.0	19.4
236	29.0	23.1	34.7

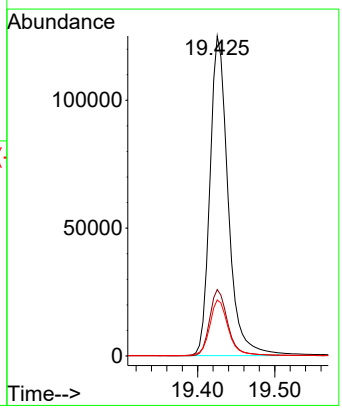


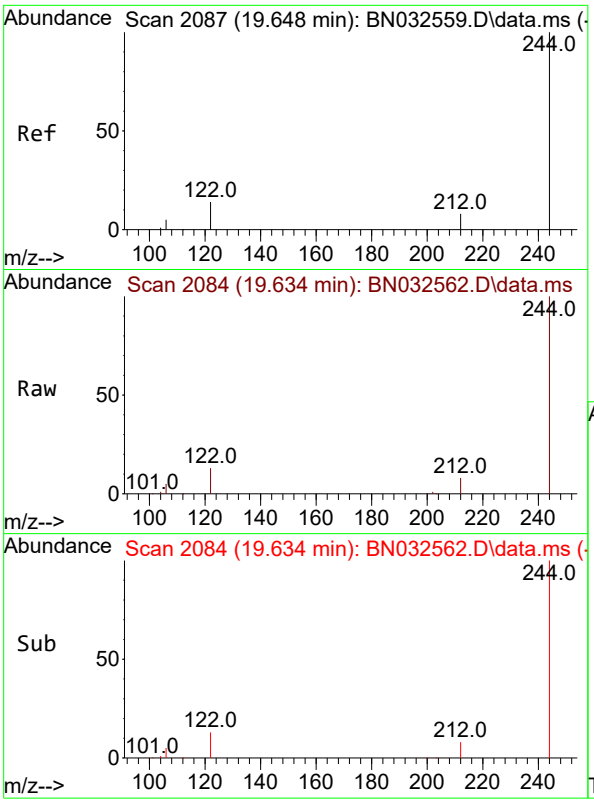


#30
Pyrene
Concen: 3.092 ng
RT: 19.425 min Scan# 2039
Delta R.T. -0.014 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:202 Resp: 204752

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.9	14.4	21.6



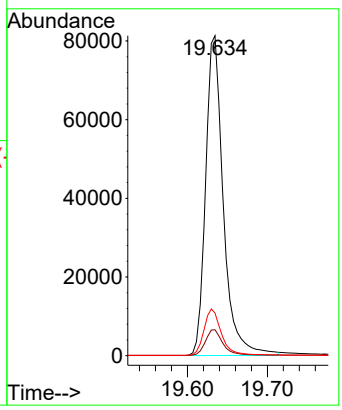


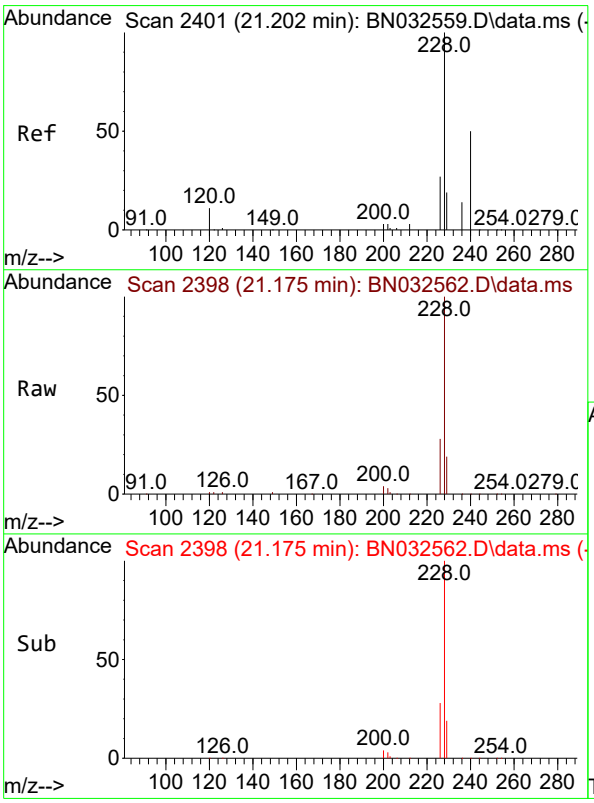
#31
Terphenyl-d14
Concen: 3.147 ng
RT: 19.634 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 125102

Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.2	10.8
122	13.3	12.1	18.1

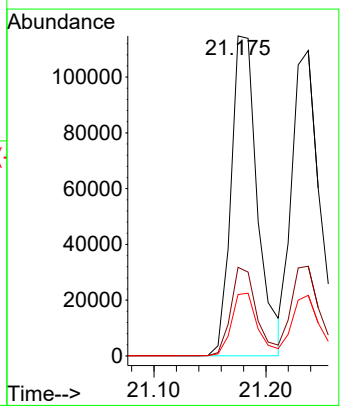


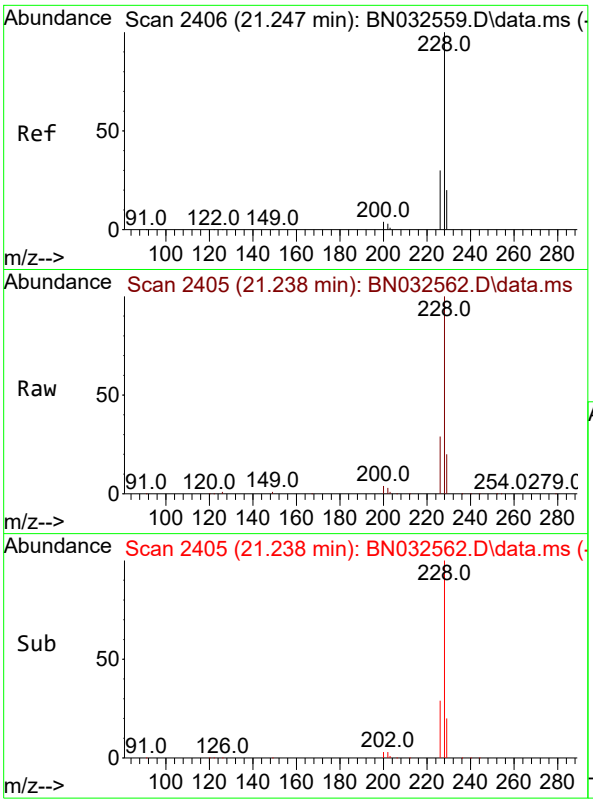


#32
Benzo(a)anthracene
Concen: 3.504 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.027 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:228 Resp: 188648

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.7	32.5
229	19.2	16.0	24.0



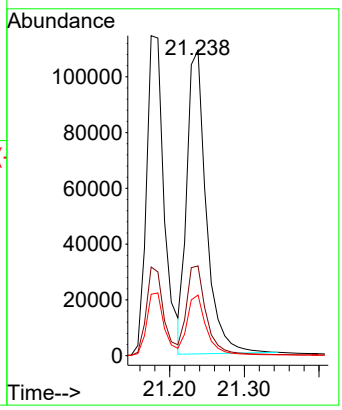


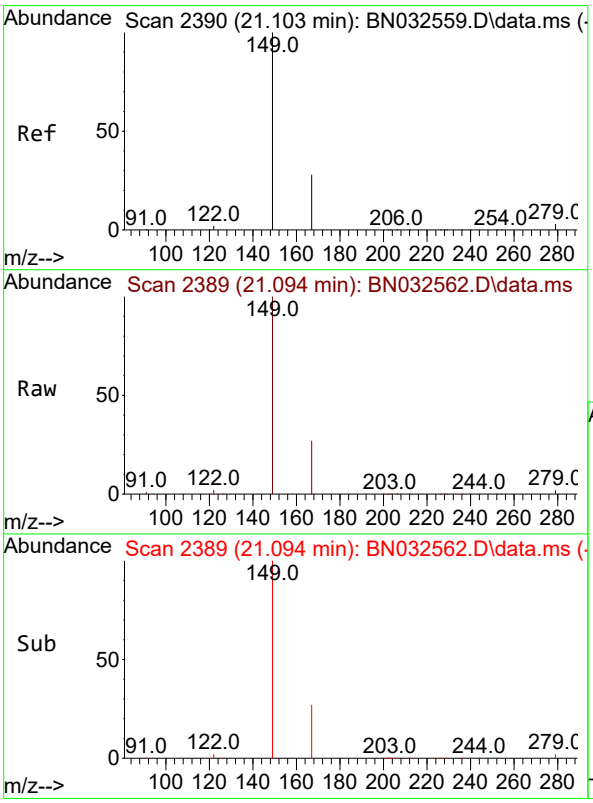
#33
Chrysene
Concen: 3.390 ng
RT: 21.238 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 196439

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	19.9	16.1	24.1

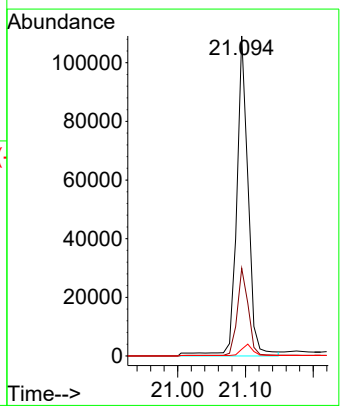


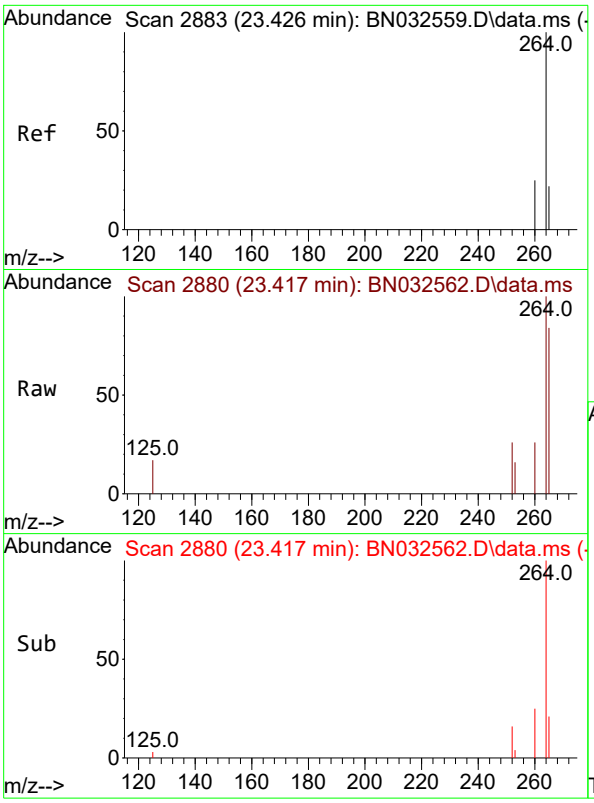


#34
Bis(2-ethylhexyl)phthalate
Concen: 3.416 ng
RT: 21.094 min Scan# 2389
Delta R.T. -0.009 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:149 Resp: 124990

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.6	32.4
279	4.3	3.0	4.6



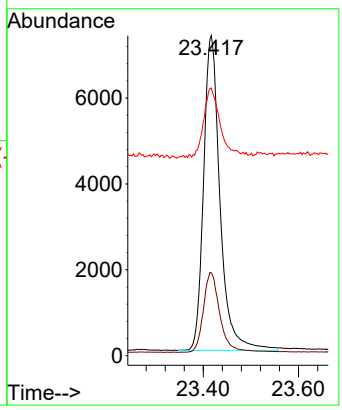


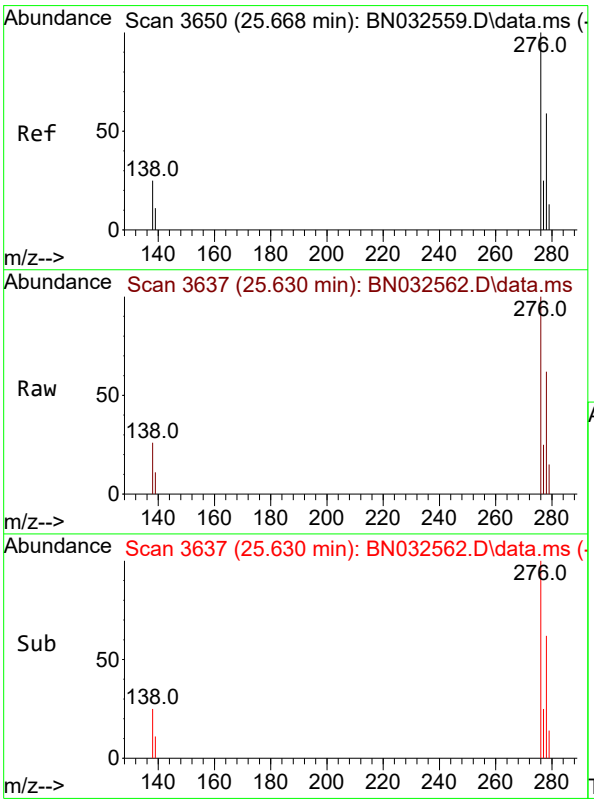
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.417 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 17589

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.0	31.6
265	83.6	76.6	115.0

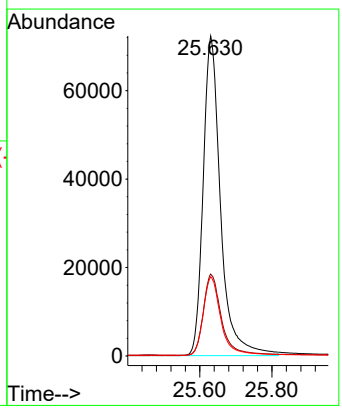


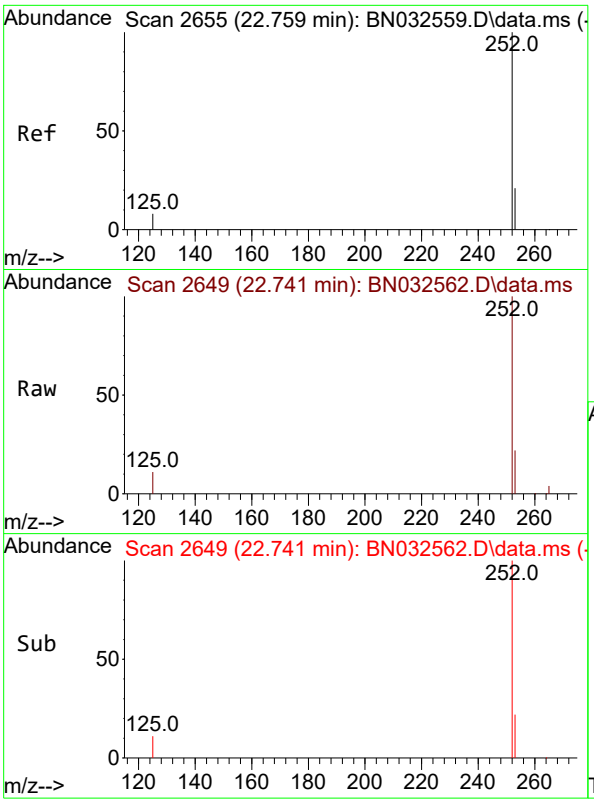


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.646 ng
RT: 25.630 min Scan# 3637
Delta R.T. -0.038 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:276 Resp: 241875

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



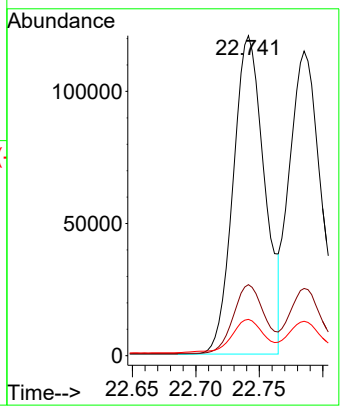


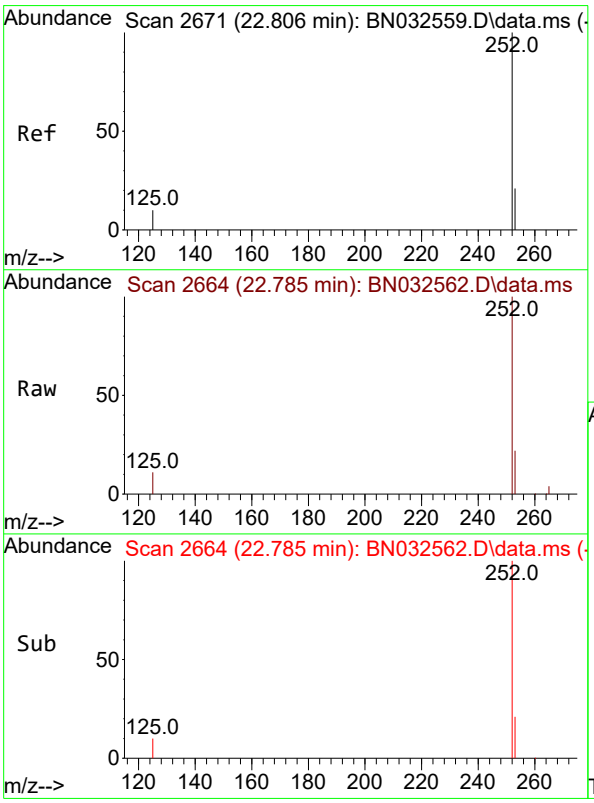
#37
Benzo(b)fluoranthene
Concen: 3.527 ng
RT: 22.741 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 206754

Ion	Ratio	Lower	Upper
252	100		
253	22.2	22.2	33.4#
125	11.3	15.4	23.0#

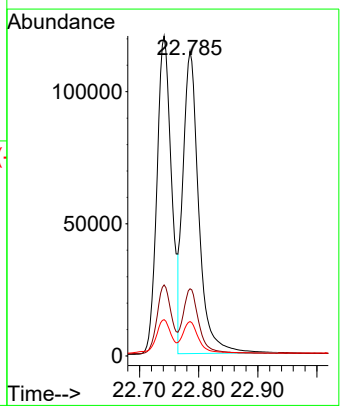


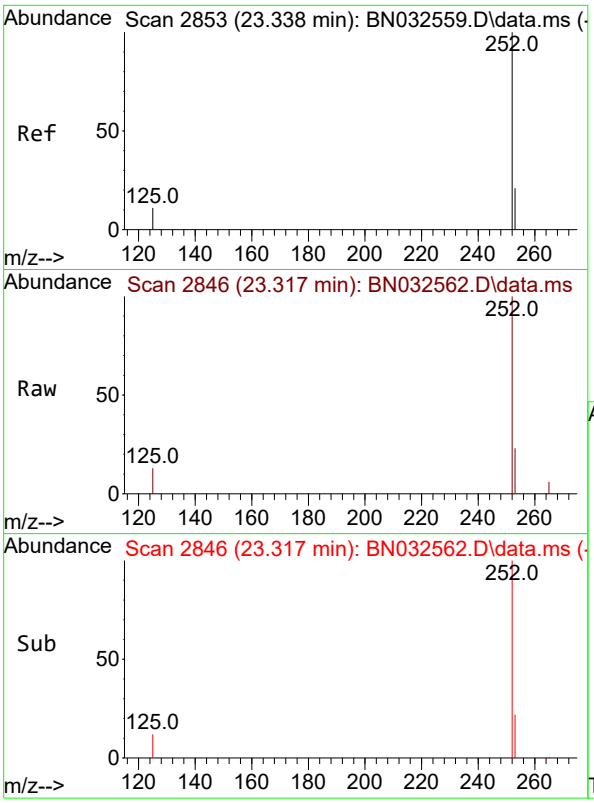


#38
Benzo(k)fluoranthene
Concen: 3.138 ng
RT: 22.785 min Scan# 2664
Delta R.T. -0.020 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:252 Resp: 211909

Ion	Ratio	Lower	Upper
252	100		
253	22.0	21.9	32.9
125	11.3	15.3	22.9#



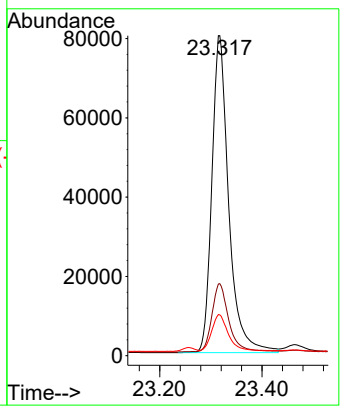


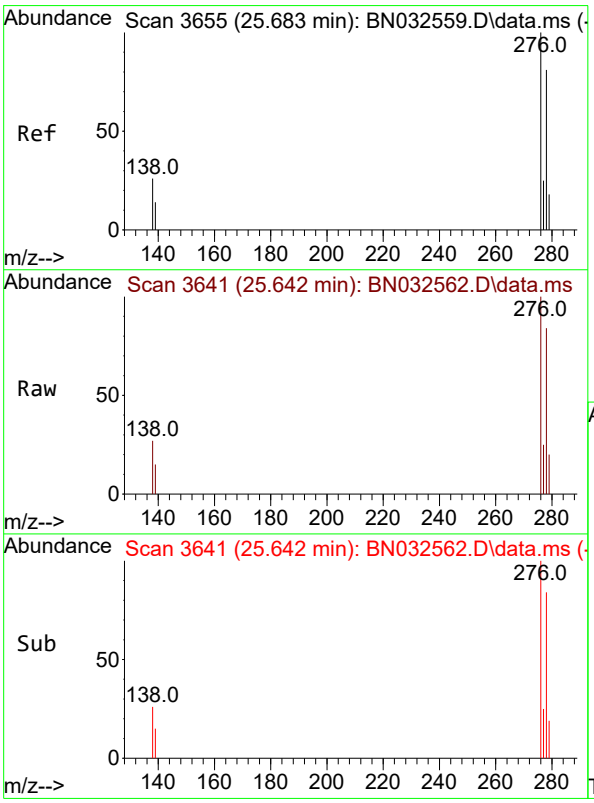
#39
Benzo(a)pyrene
Concen: 3.300 ng
RT: 23.317 min Scan# 2
Delta R.T. -0.020 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 183129

Ion	Ratio	Lower	Upper
252	100		
253	22.5	25.5	38.3#
125	12.8	20.7	31.1#

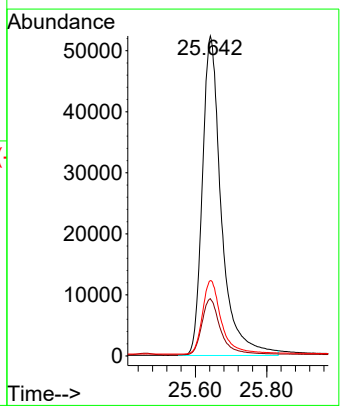


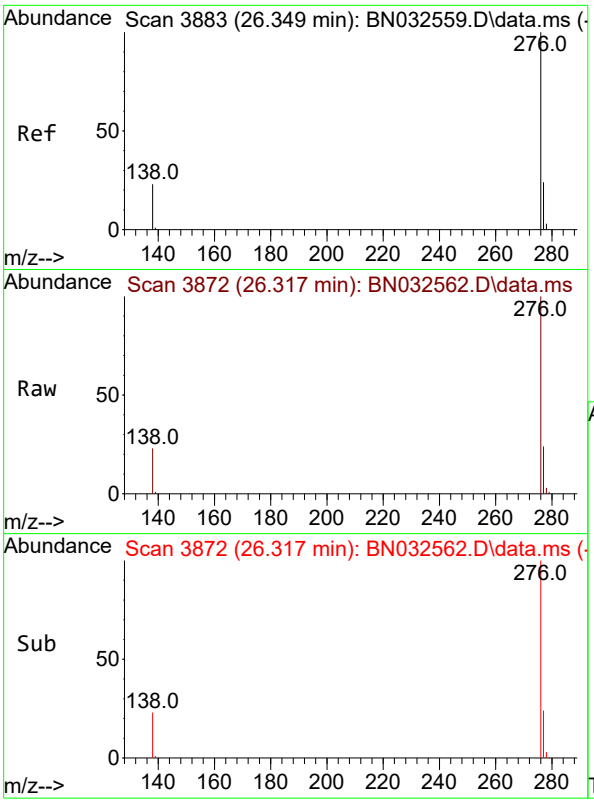


#40
Dibenzo(a,h)anthracene
Concen: 3.677 ng
RT: 25.642 min Scan# 3641
Delta R.T. -0.041 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Tgt Ion:278 Resp: 193208

Ion	Ratio	Lower	Upper
278	100		
139	17.9	17.8	26.6
279	23.5	24.4	36.6#





#41
Benzo(g,h,i)perylene
Concen: 3.582 ng
RT: 26.317 min Scan# 3
Delta R.T. -0.032 min
Lab File: BN032562.D
Acq: 08 Jul 2024 22:15

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 206076

Ion	Ratio	Lower	Upper
276	100		
277	23.9	21.5	32.3
138	23.1	21.4	32.0