Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071124\
Data File : BN032621.D
Acq On : 10 Jul 2024 18:56
Operator : MA/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Jul 10 23:14:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 10 23:11:23 2024
Response via : Initial Calibration

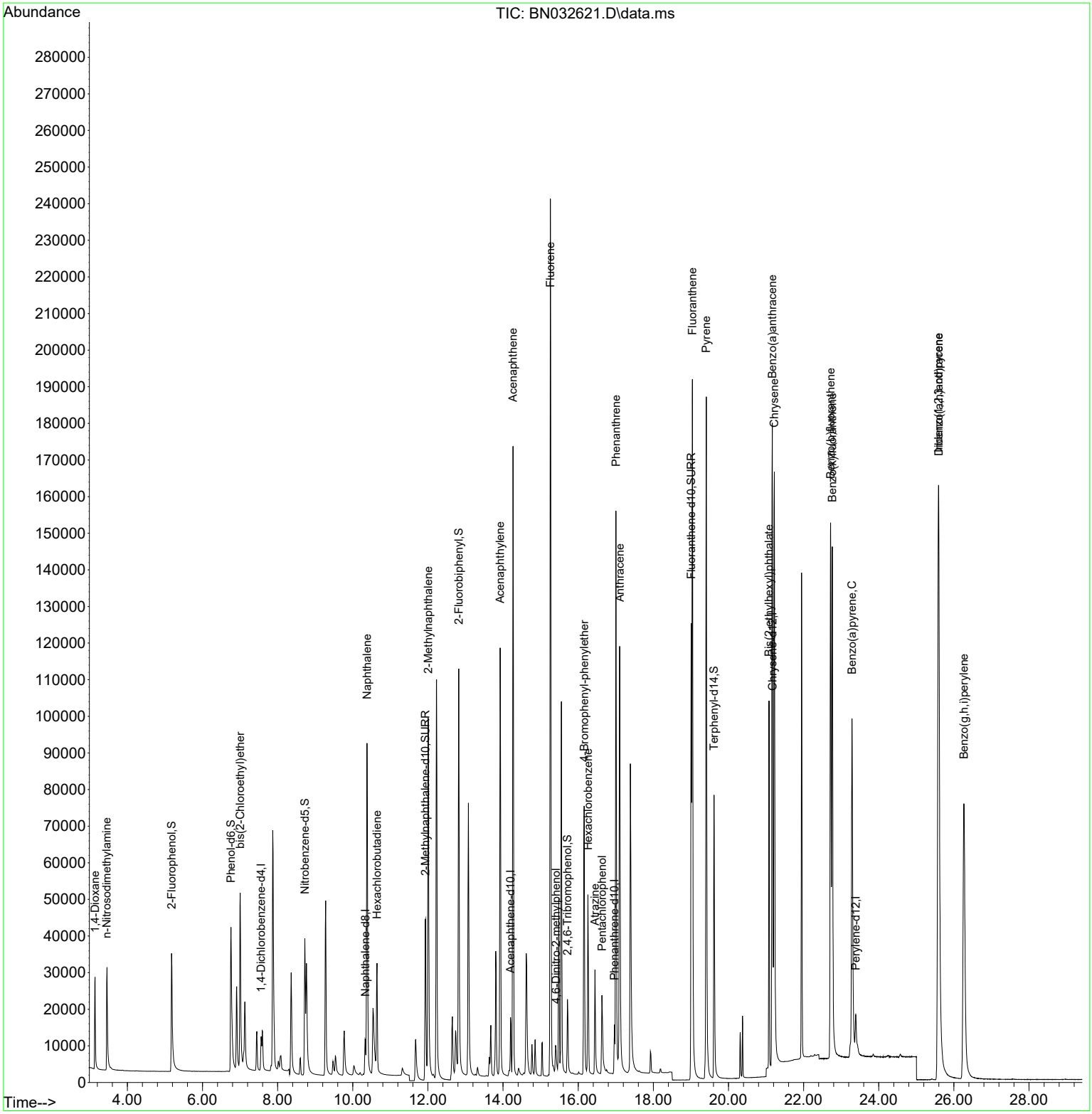
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.559	152	5148	0.400	ng		0.00
7) Naphthalene-d8	10.336	136	15631	0.400	ng		#-0.02
13) Acenaphthene-d10	14.199	164	9709	0.400	ng		-0.01
19) Phenanthrene-d10	16.967	188	18842	0.400	ng		-0.01
29) Chrysene-d12	21.175	240	16714	0.400	ng		-0.02
35) Perylene-d12	23.388	264	16268	0.400	ng		#-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.176	112	40097	3.082	ng		-0.02
5) Phenol-d6	6.758	99	52791	3.174	ng		-0.04
8) Nitrobenzene-d5	8.723	82	38812	3.326	ng		-0.05
11) 2-Methylnaphthalene-d10	11.930	152	74580	3.019	ng		-0.03
14) 2,4,6-Tribromophenol	15.713	330	13424	3.051	ng		-0.02
15) 2-Fluorobiphenyl	12.820	172	114558	3.202	ng		-0.03
27) Fluoranthene-d10	19.007	212	153406	3.124	ng		-0.01
31) Terphenyl-d14	19.616	244	99456	2.437	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.139	88	17862	2.635	ng		97
3) n-Nitrosodimethylamine	3.450	42	16465	3.346	ng		100
6) bis(2-Chloroethyl)ether	7.003	93	43724	3.828	ng	#	89
9) Naphthalene	10.378	128	133924	3.137	ng		97
10) Hexachlorobutadiene	10.645	225	24597	2.892	ng	#	100
12) 2-Methylnaphthalene	12.005	142	90046	3.151	ng		97
16) Acenaphthylene	13.921	152	133466	3.192	ng		99
17) Acenaphthene	14.264	154	88097	3.032	ng		99
18) Fluorene	15.258	166	114165	2.999	ng		99
20) 4,6-Dinitro-2-methylph...	15.407	198	9284	3.749	ng	#	32
21) 4-Bromophenyl-phenylether	16.160	248	35760	3.196	ng	#	81
22) Hexachlorobenzene	16.259	284	39428	3.203	ng		99
23) Atrazine	16.445	200	26652	3.051	ng		95
24) Pentachlorophenol	16.631	266	15508	3.757	ng		99
25) Phenanthrene	17.004	178	167069	3.264	ng		100
26) Anthracene	17.103	178	150897	3.666	ng		99
28) Fluoranthene	19.040	202	198327	3.207	ng		100
30) Pyrene	19.407	202	201324	2.961	ng		99
32) Benzo(a)anthracene	21.166	228	175540	3.175	ng		99
33) Chrysene	21.220	228	186845	2.846	ng		99
34) Bis(2-ethylhexyl)phtha...	21.077	149	93981	2.502	ng		100
36) Indeno(1,2,3-cd)pyrene	25.586	276	221820	3.569	ng		99
37) Benzo(b)fluoranthene	22.718	252	186633	3.442	ng	#	86
38) Benzo(k)fluoranthene	22.762	252	195371	3.128	ng	#	85
39) Benzo(a)pyrene	23.288	252	165565	3.226	ng	#	78
40) Dibenzo(a,h)anthracene	25.595	278	177246	3.594	ng	#	90
41) Benzo(g,h,i)perylene	26.265	276	191262	3.561	ng		96

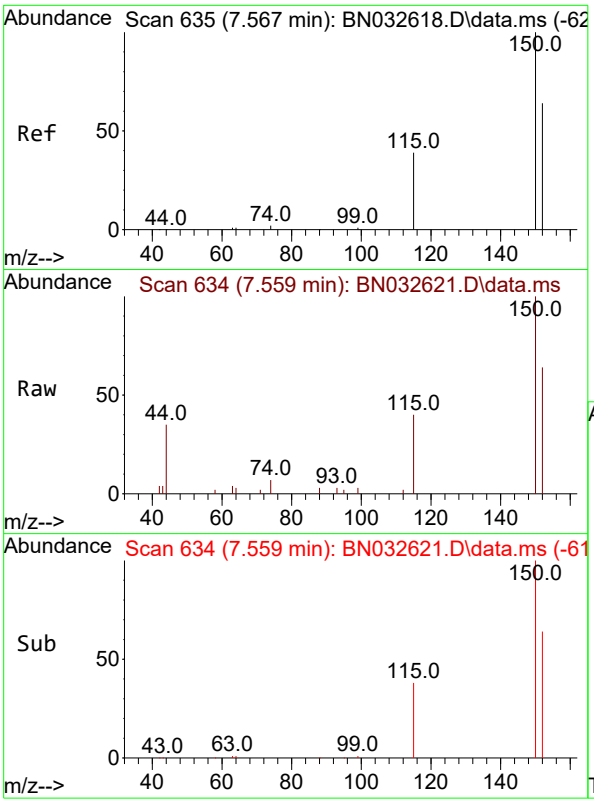
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071124\
Data File : BN032621.D
Acq On : 10 Jul 2024 18:56
Operator : MA/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Jul 10 23:14:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 10 23:11:23 2024
Response via : Initial Calibration



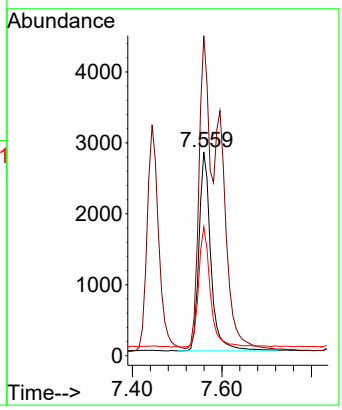


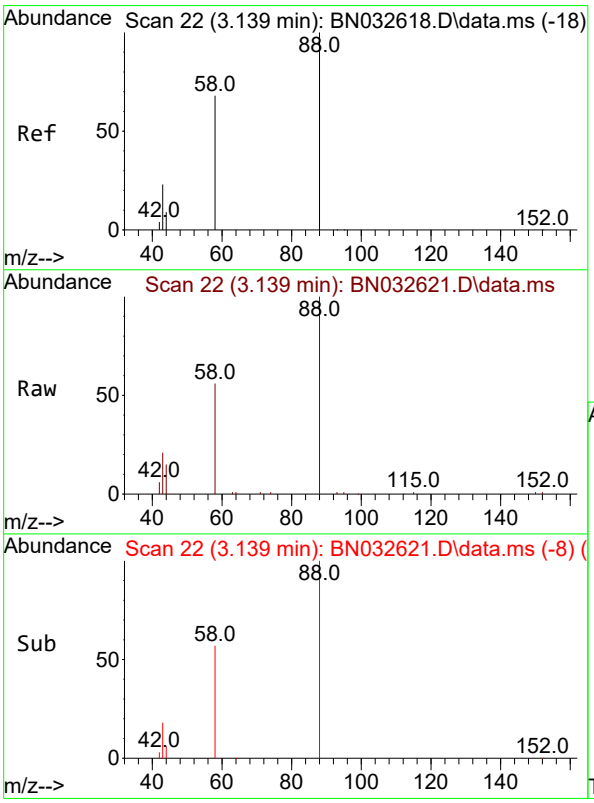
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.559 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 5148

Ion	Ratio	Lower	Upper
152	100		
150	157.1	123.8	185.6
115	63.2	52.8	79.2

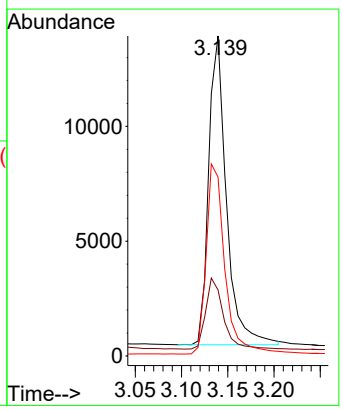


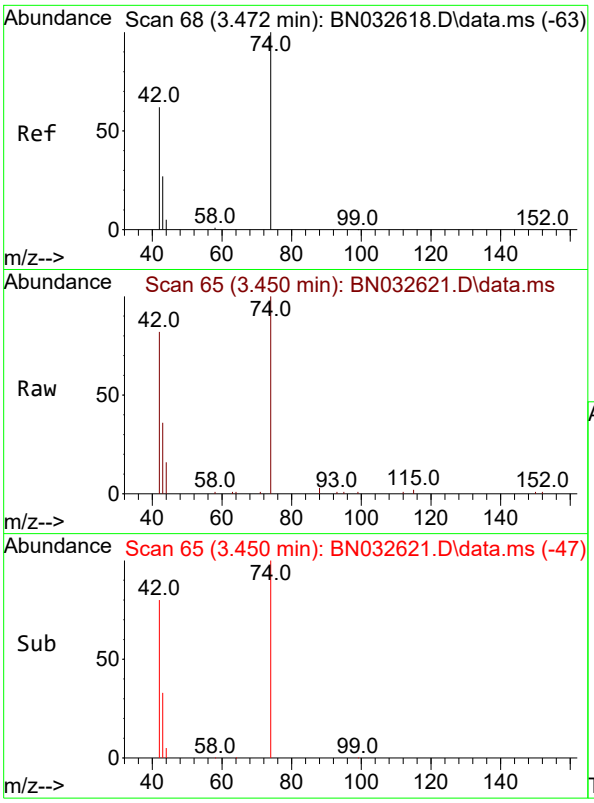


#2
1,4-Dioxane
Concen: 2.635 ng
RT: 3.139 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion: 88 Resp: 17862

Ion	Ratio	Lower	Upper
88	100		
43	22.9	18.4	27.6
58	64.7	49.2	73.8



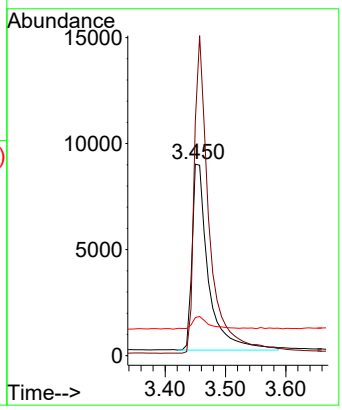


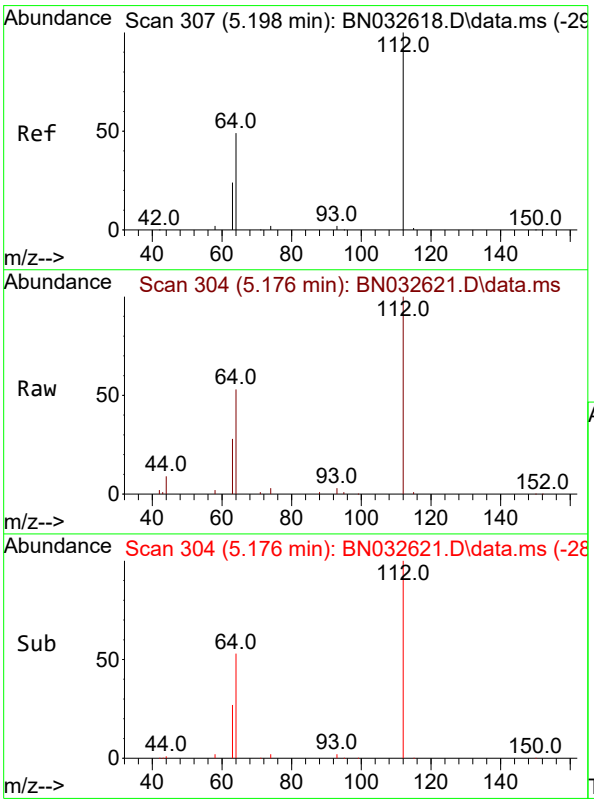
#3
n-Nitrosodimethylamine
Concen: 3.346 ng
RT: 3.450 min Scan# 6
Delta R.T. -0.022 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 16465

Ion	Ratio	Lower	Upper
42	100		
74	158.7	126.9	190.3
44	7.1	4.8	7.2

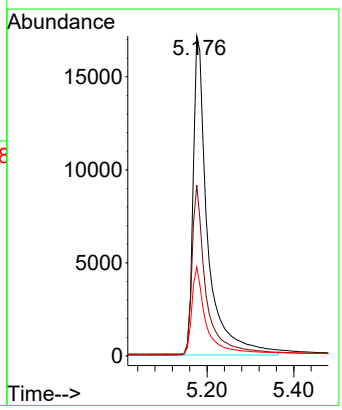


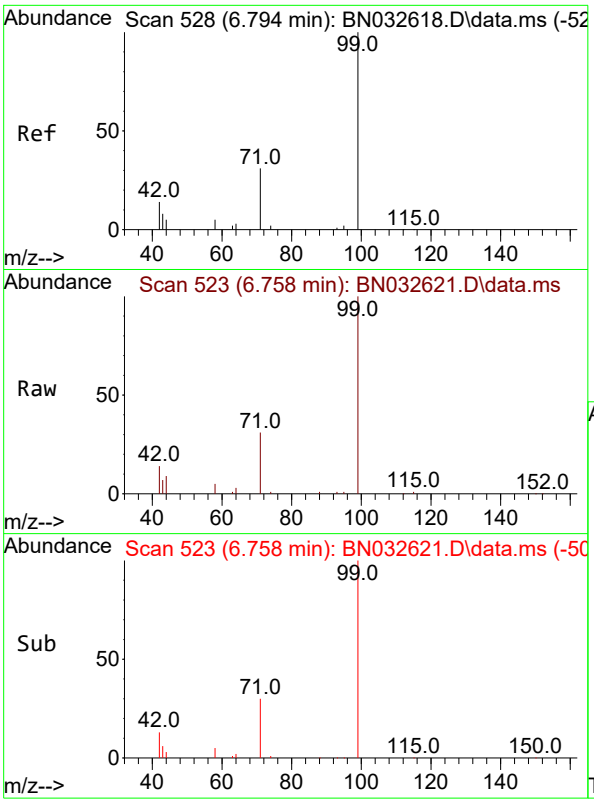


#4
2-Fluorophenol
Concen: 3.082 ng
RT: 5.176 min Scan# 304
Delta R.T. -0.022 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:112 Resp: 40097

Ion	Ratio	Lower	Upper
112	100		
64	51.3	40.2	60.4
63	26.4	22.2	33.4



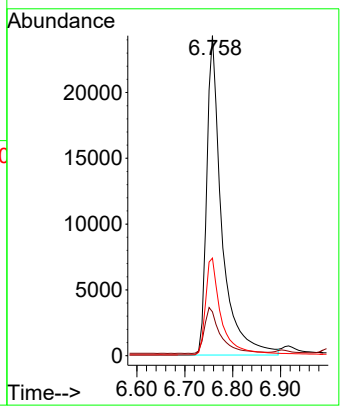


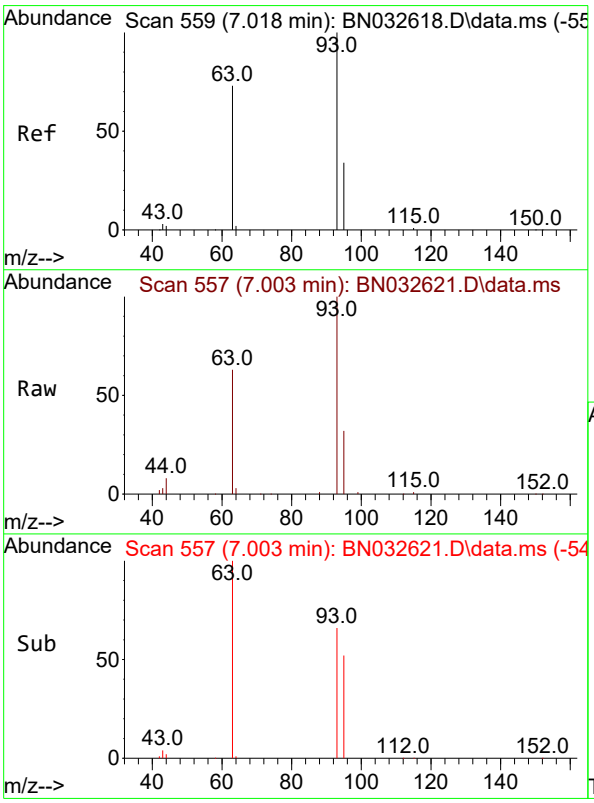
#5
Phenol-d6
Concen: 3.174 ng
RT: 6.758 min Scan# 5
Delta R.T. -0.036 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 52791

Ion	Ratio	Lower	Upper
99	100		
42	15.3	10.5	15.7
71	32.2	22.3	33.5

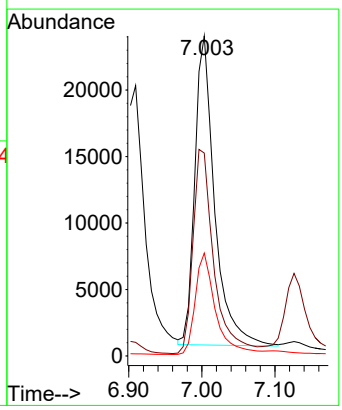


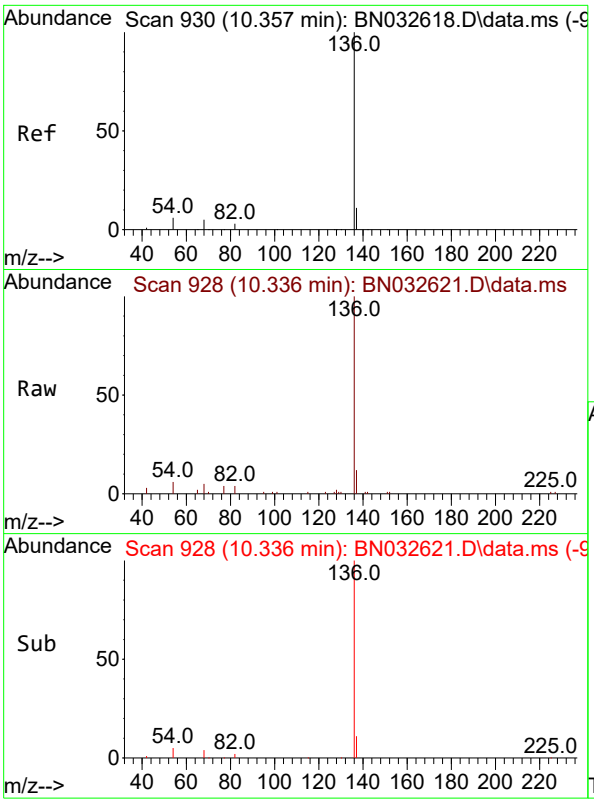


#6
bis(2-Chloroethyl)ether
Concen: 3.828 ng
RT: 7.003 min Scan# 557
Delta R.T. -0.014 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion: 93 Resp: 43724

Ion	Ratio	Lower	Upper
93	100		
63	69.7	46.4	69.6#
95	33.6	25.5	38.3



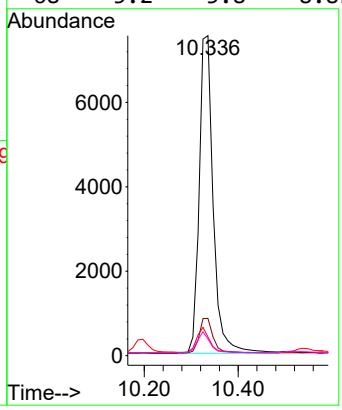


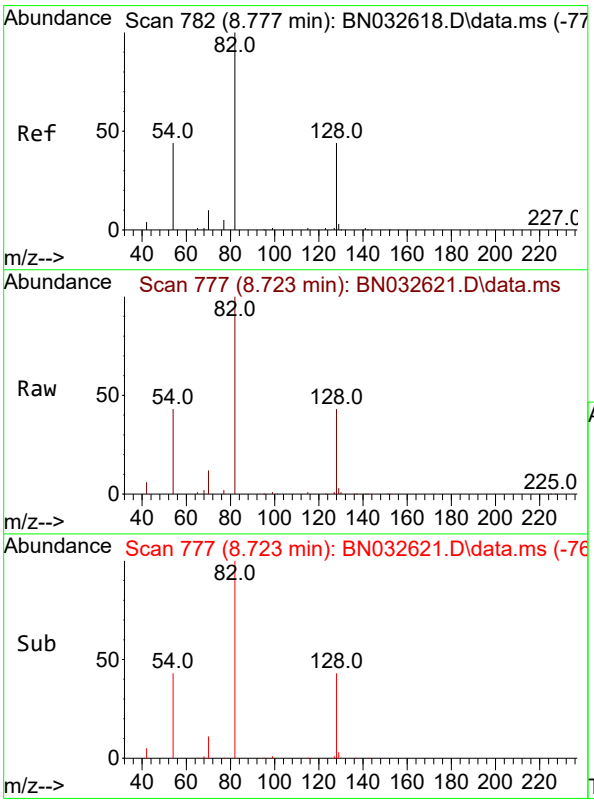
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.336 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 15631

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.9	14.9
54	5.9	6.5	9.7#
68	5.2	5.8	8.8#

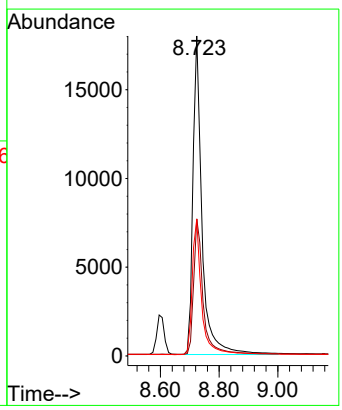


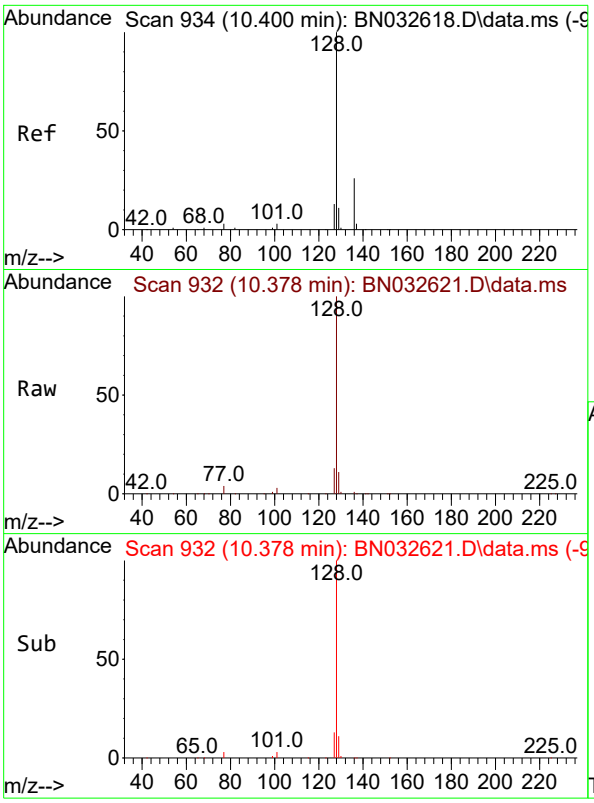


#8
Nitrobenzene-d5
Concen: 3.326 ng
RT: 8.723 min Scan# 777
Delta R.T. -0.053 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion: 82 Resp: 38812

Ion	Ratio	Lower	Upper
82	100		
128	42.9	41.7	62.5
54	42.7	39.5	59.3



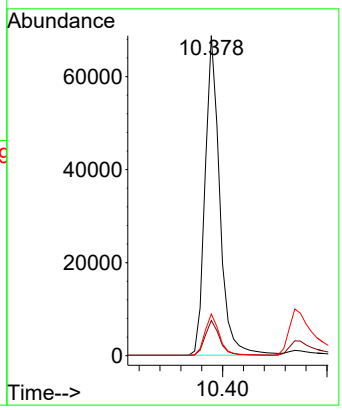


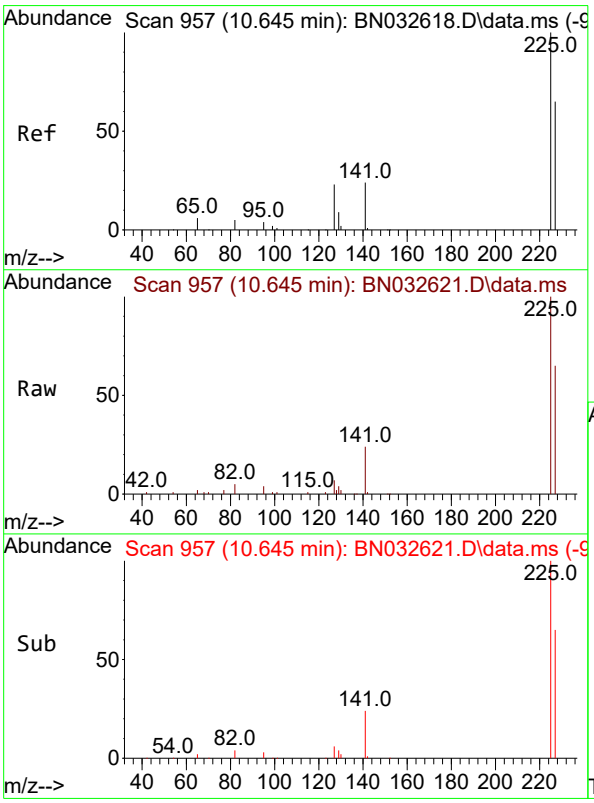
#9
Naphthalene
Concen: 3.137 ng
RT: 10.378 min Scan# 9
Delta R.T. -0.021 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 133924

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.8	14.8
127	13.0	11.5	17.3

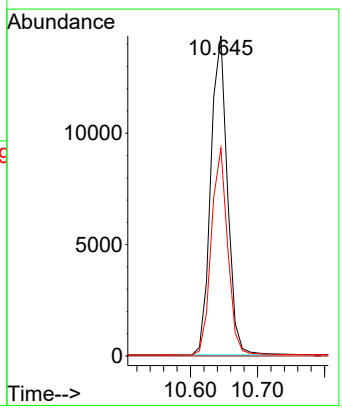


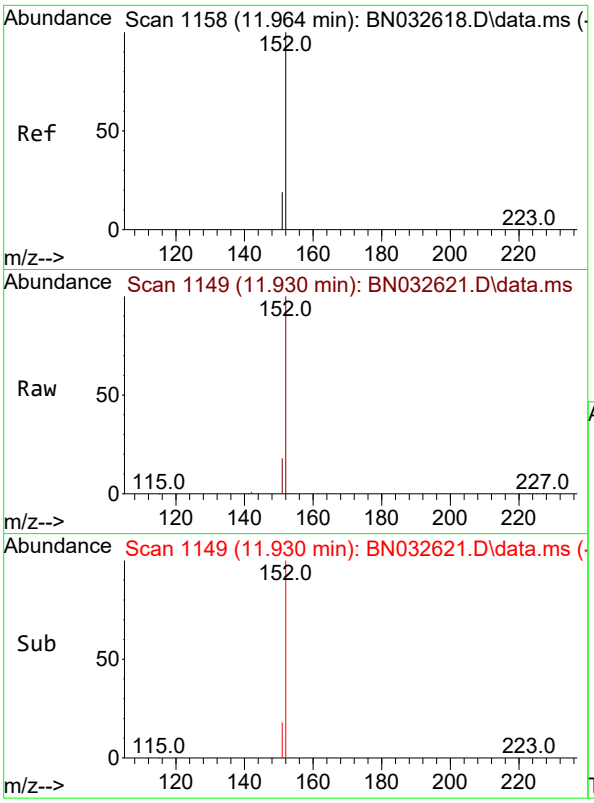


#10
Hexachlorobutadiene
Concen: 2.892 ng
RT: 10.645 min Scan# 957
Delta R.T. 0.000 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:225 Resp: 24597

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.3	76.9



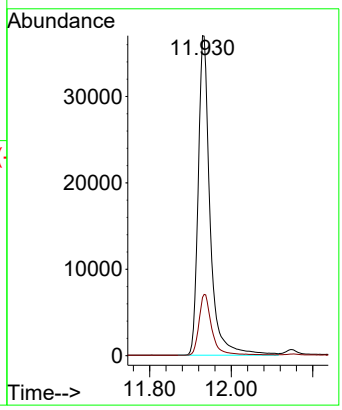


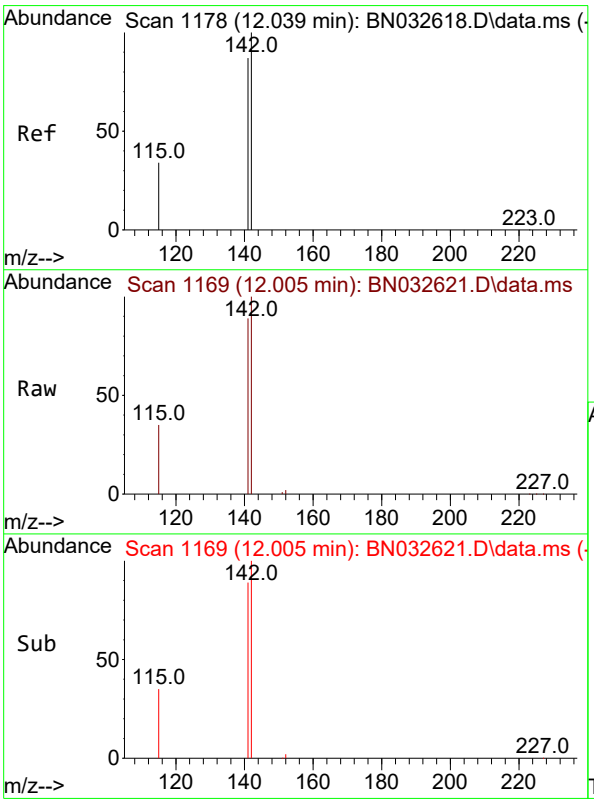
#11
2-Methylnaphthalene-d10
Concen: 3.019 ng
RT: 11.930 min Scan# 11
Delta R.T. -0.034 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 74580

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.2

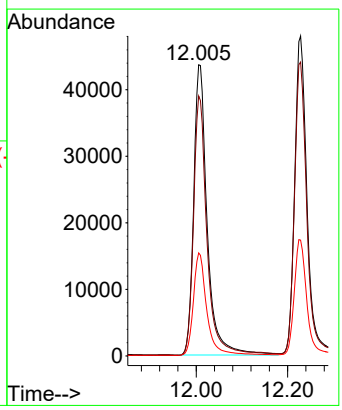


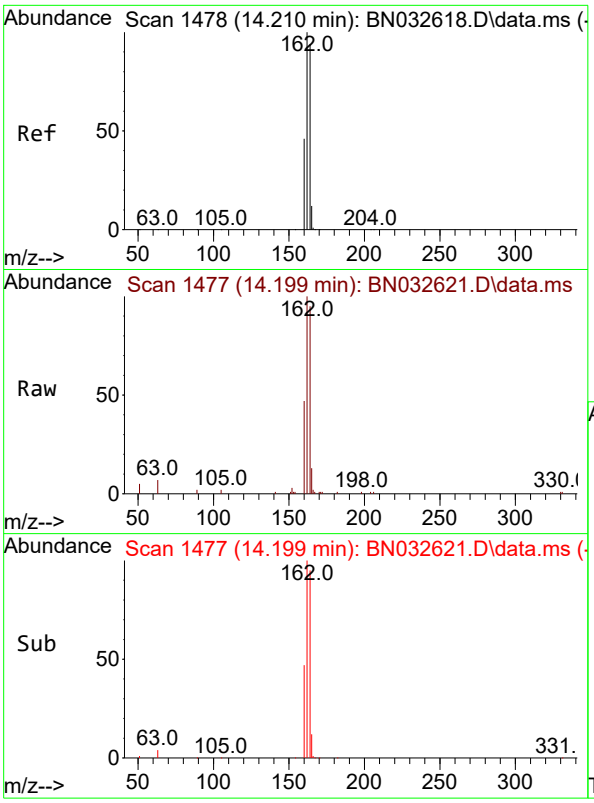


#12
2-Methylnaphthalene
Concen: 3.151 ng
RT: 12.005 min Scan# 1169
Delta R.T. -0.034 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:142 Resp: 90046

Ion	Ratio	Lower	Upper
142	100		
141	89.3	69.3	103.9
115	35.4	29.5	44.3



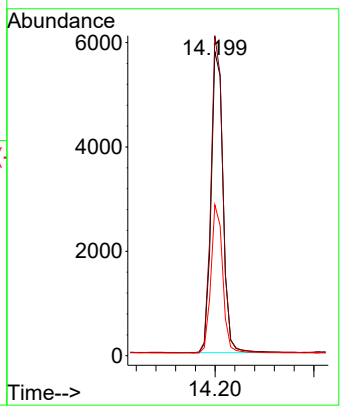


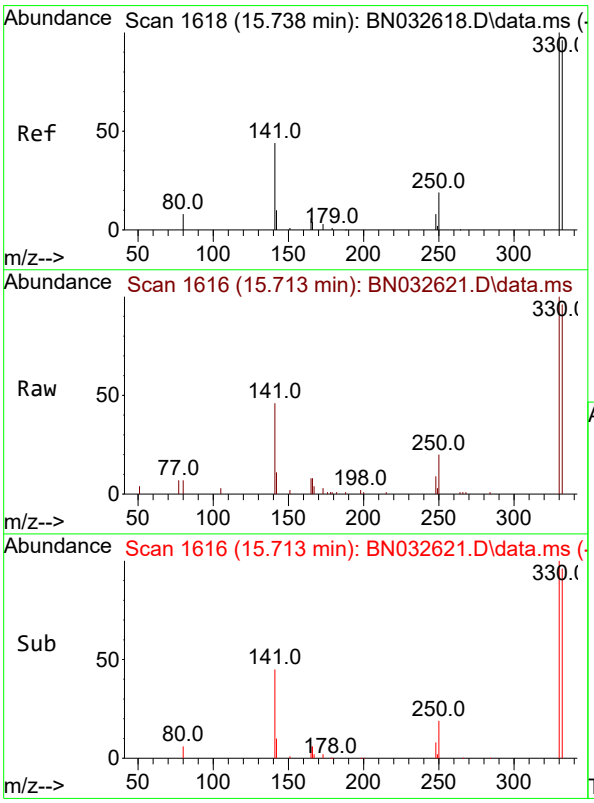
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.199 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 9709

Ion	Ratio	Lower	Upper
164	100		
162	105.2	85.0	127.4
160	49.6	39.4	59.2

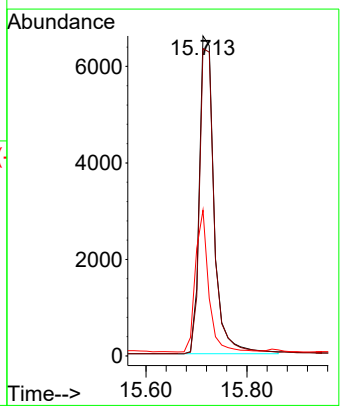


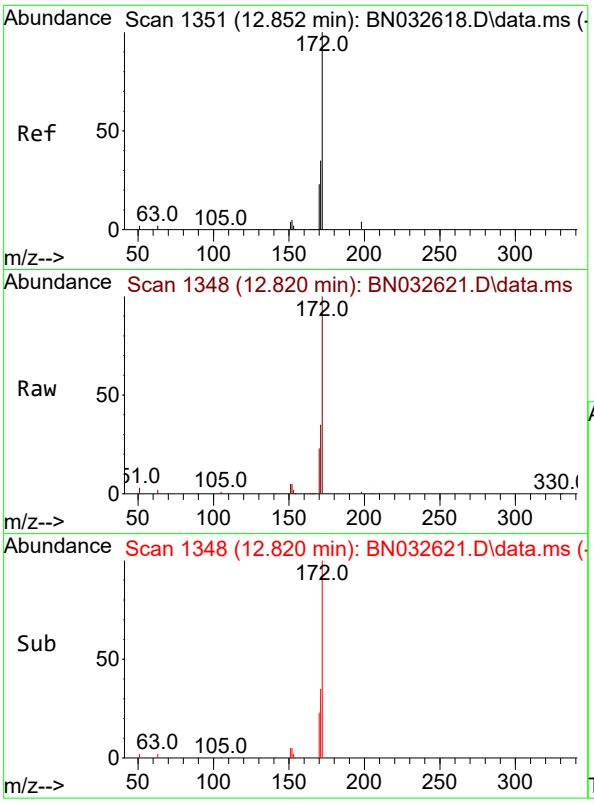


#14
2,4,6-Tribromophenol
Concen: 3.051 ng
RT: 15.713 min Scan# 1616
Delta R.T. -0.025 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:330 Resp: 13424

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.8	116.8
141	40.0	34.2	51.2



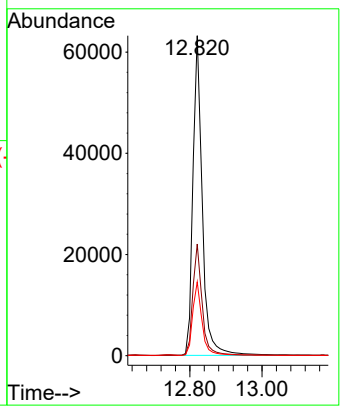


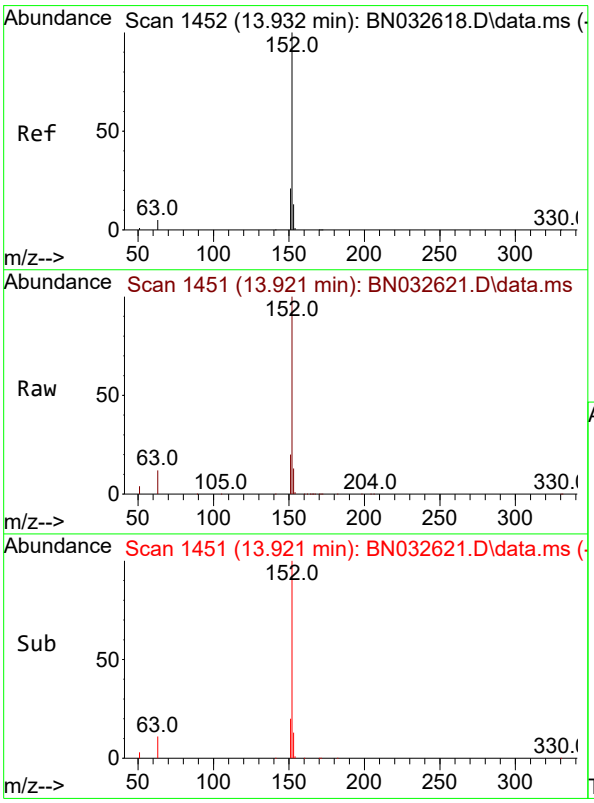
#15
2-Fluorobiphenyl
Concen: 3.202 ng
RT: 12.820 min Scan# 1
Delta R.T. -0.032 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 114558

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	23.1	19.0	28.6

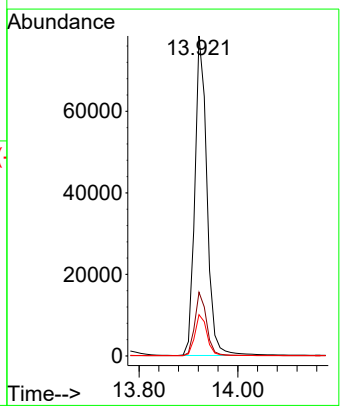


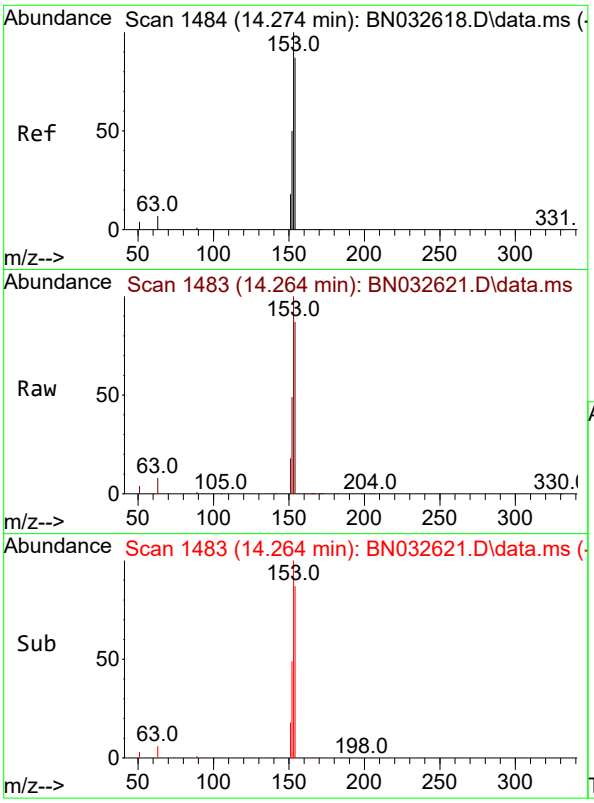


#16
Acenaphthylene
Concen: 3.192 ng
RT: 13.921 min Scan# 1451
Delta R.T. -0.011 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:152 Resp: 133466

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.0	24.0
153	13.0	10.6	15.8



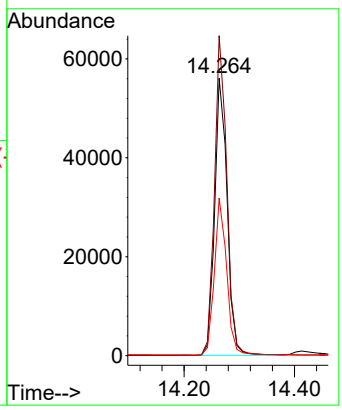


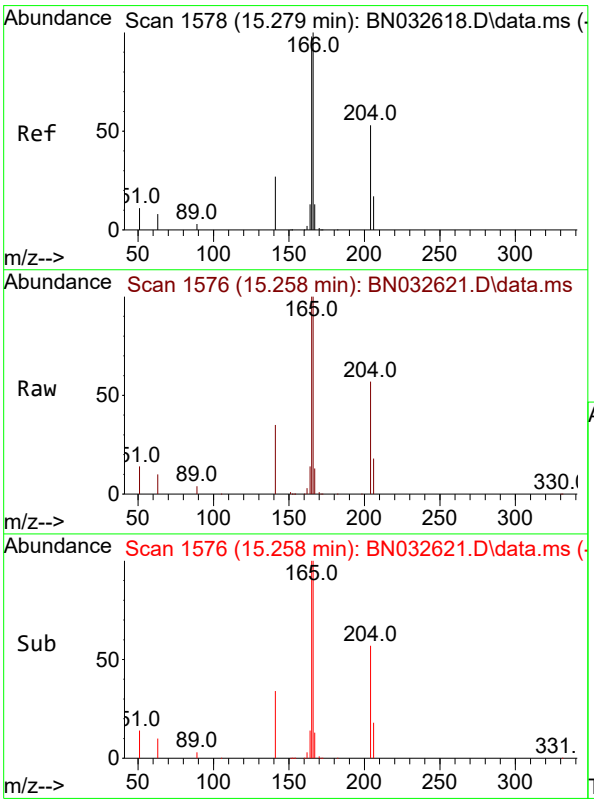
#17
Acenaphthene
Concen: 3.032 ng
RT: 14.264 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 88097

Ion	Ratio	Lower	Upper
154	100		
153	113.6	91.8	137.8
152	55.6	45.2	67.8

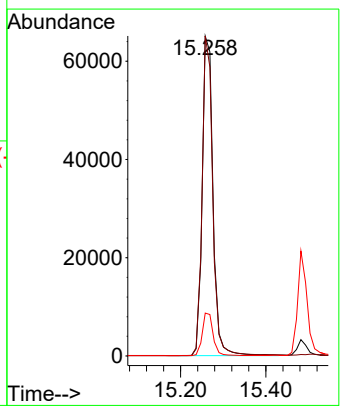


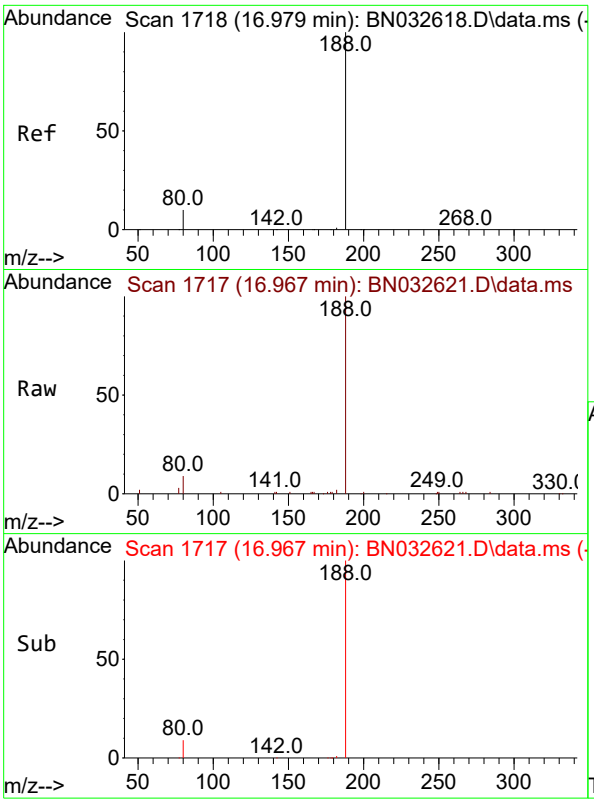


#18
Fluorene
Concen: 2.999 ng
RT: 15.258 min Scan# 1576
Delta R.T. -0.021 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:166 Resp: 114165

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.0	117.0
167	13.4	10.7	16.1



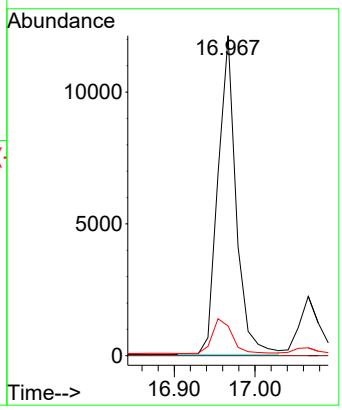


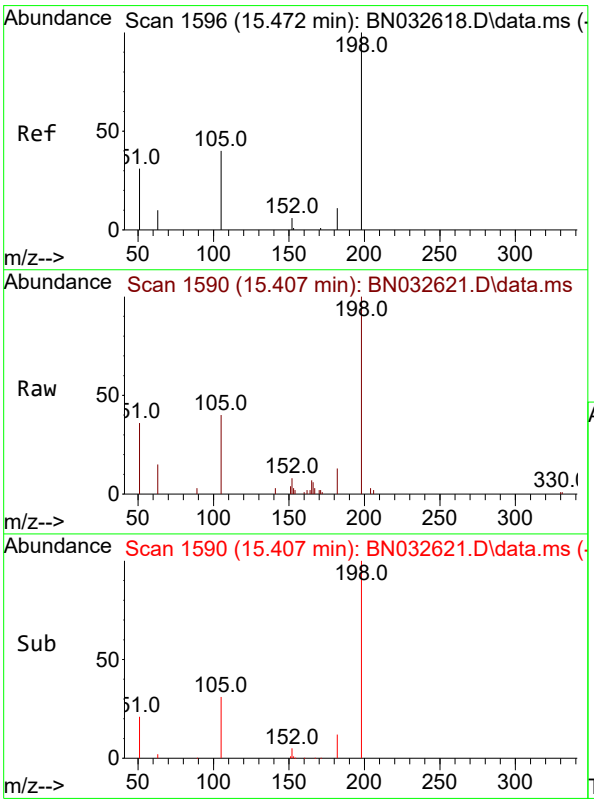
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.967 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 18842

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	8.8	13.2

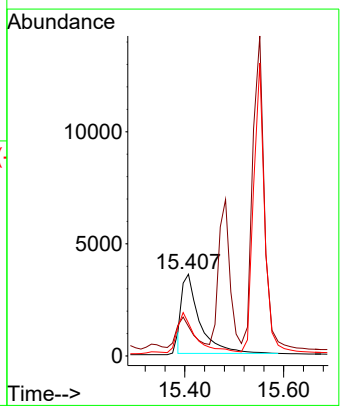


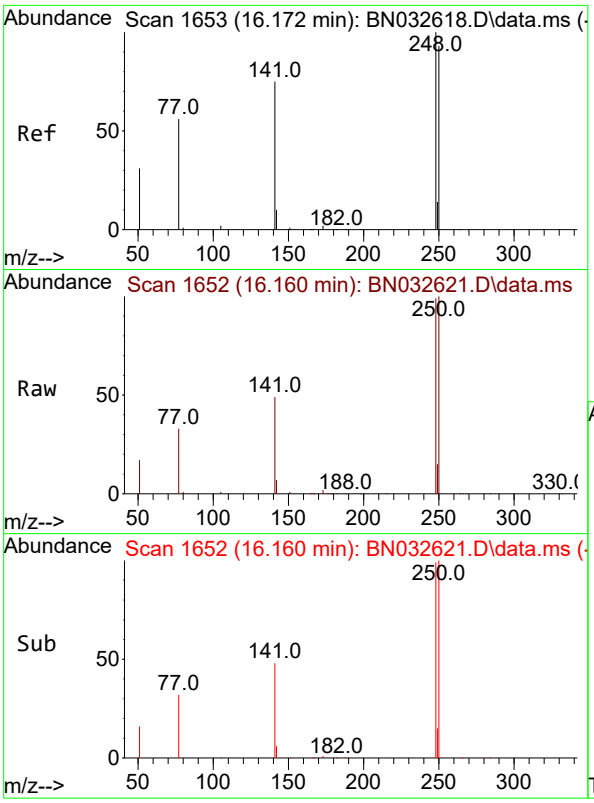


#20
4,6-Dinitro-2-methylphenol
Concen: 3.749 ng
RT: 15.407 min Scan# 1590
Delta R.T. -0.064 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:198 Resp: 9284

Ion	Ratio	Lower	Upper
198	100		
51	36.2	105.7	158.5#
105	40.1	63.0	94.6#



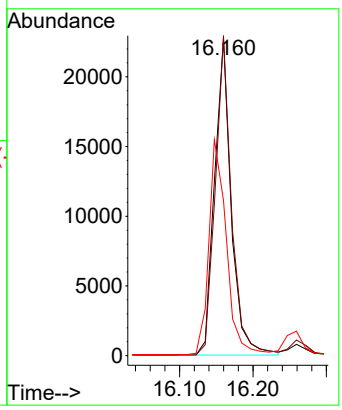


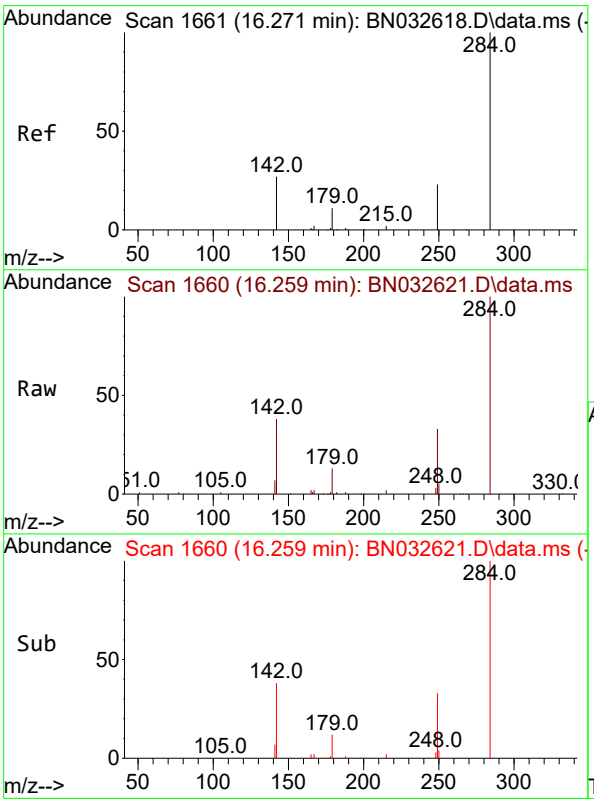
#21
4-Bromophenyl-phenylether
Concen: 3.196 ng
RT: 16.160 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:248 Resp: 35760

Ion	Ratio	Lower	Upper
248	100		
250	100.8	75.1	112.7
141	49.0	62.0	93.0#

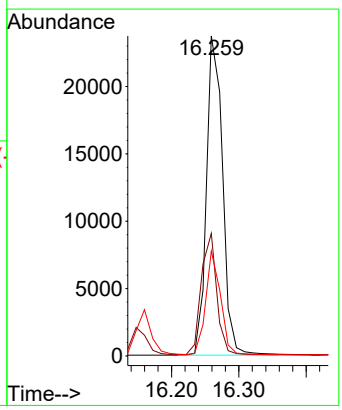


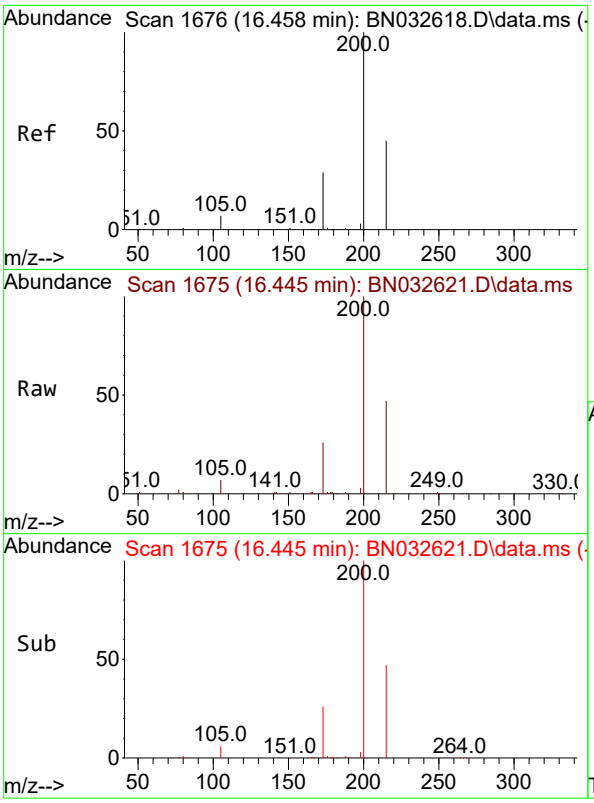


#22
Hexachlorobenzene
Concen: 3.203 ng
RT: 16.259 min Scan# 1660
Delta R.T. -0.012 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:284 Resp: 39428

Ion	Ratio	Lower	Upper
284	100		
142	36.6	29.4	44.0
249	29.8	24.6	36.8



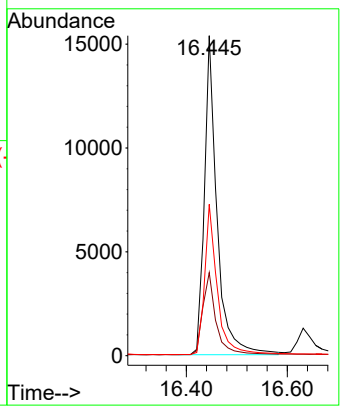


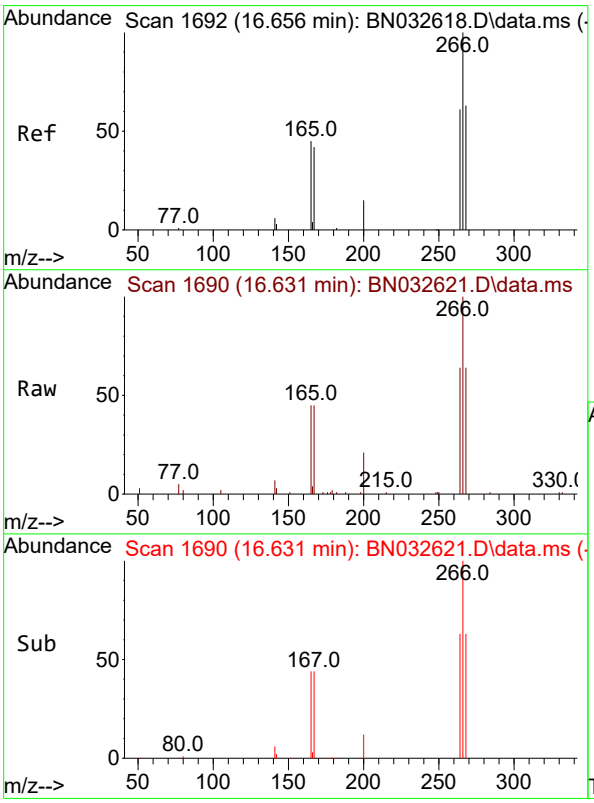
#23
Atrazine
Concen: 3.051 ng
RT: 16.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:200 Resp: 26652

Ion	Ratio	Lower	Upper
200	100		
173	26.0	25.4	38.2
215	47.3	38.2	57.2

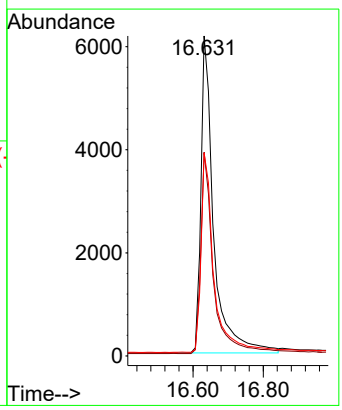


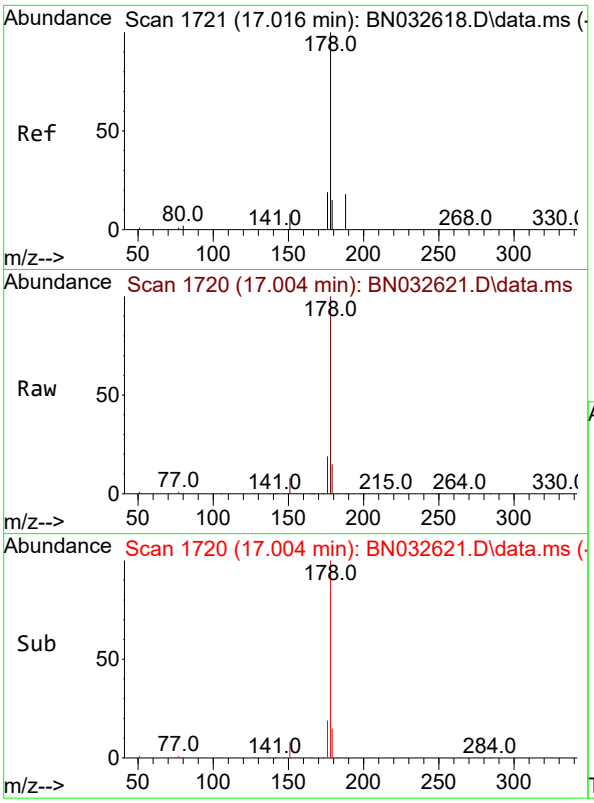


#24
Pentachlorophenol
Concen: 3.757 ng
RT: 16.631 min Scan# 1690
Delta R.T. -0.025 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:266 Resp: 15508

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.2	75.2
268	64.1	52.8	79.2



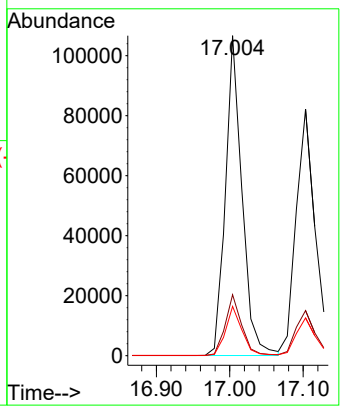


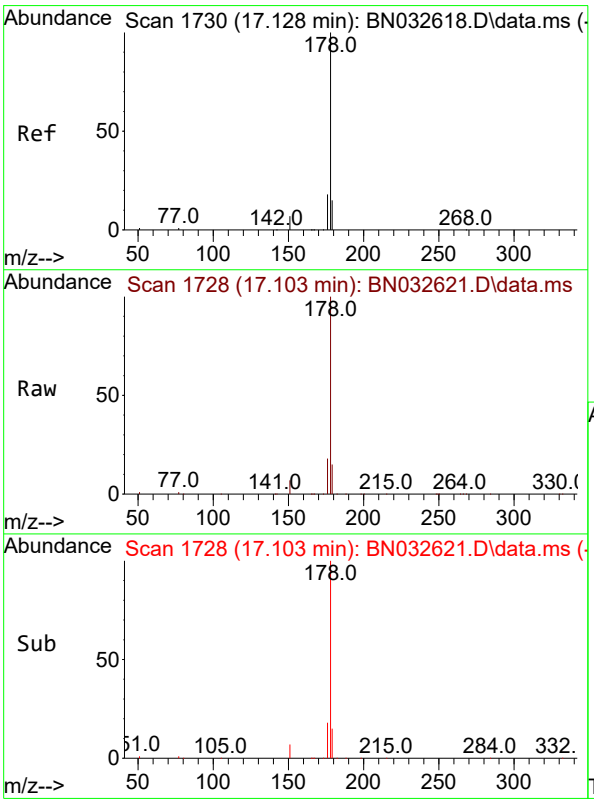
#25
Phenanthrene
Concen: 3.264 ng
RT: 17.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 167069

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.3	12.2	18.4

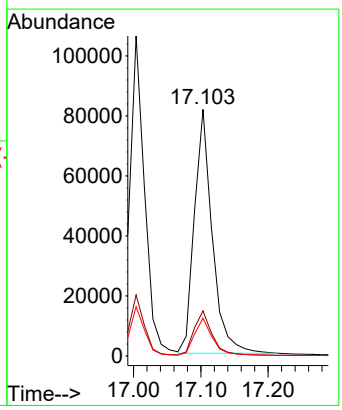


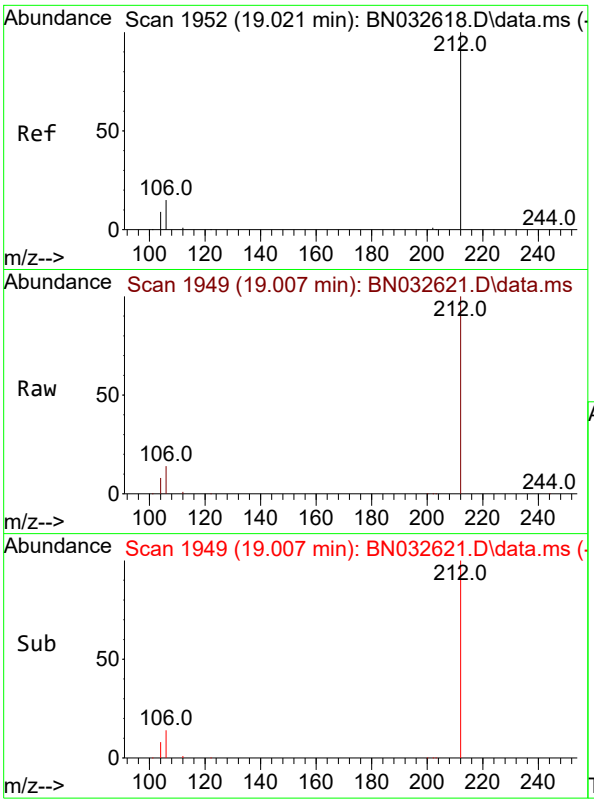


#26
Anthracene
Concen: 3.666 ng
RT: 17.103 min Scan# 1728
Delta R.T. -0.025 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:178 Resp: 150897

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.2	11.8	17.8



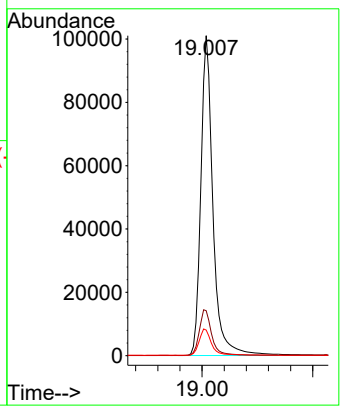


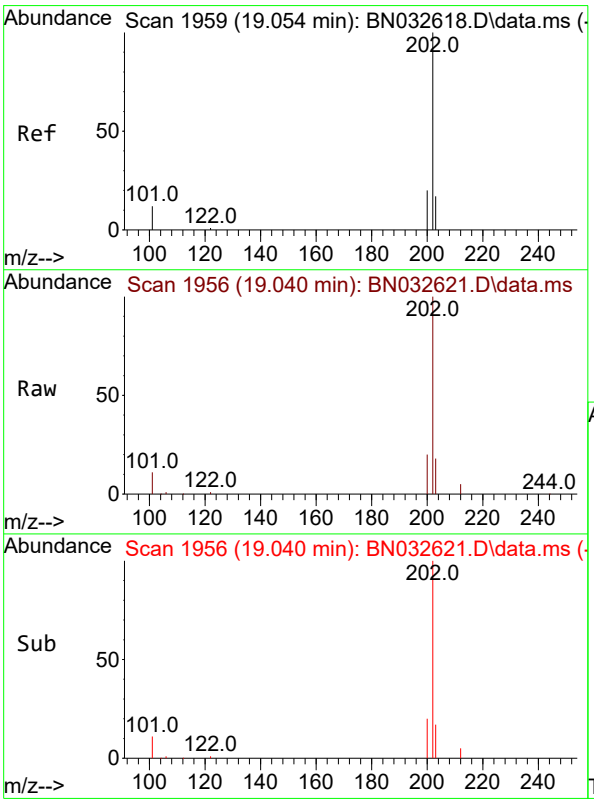
#27
Fluoranthene-d10
Concen: 3.124 ng
RT: 19.007 min Scan# 1
Delta R.T. -0.014 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 153406

Ion	Ratio	Lower	Upper
212	100		
106	14.8	11.9	17.9
104	8.5	6.9	10.3

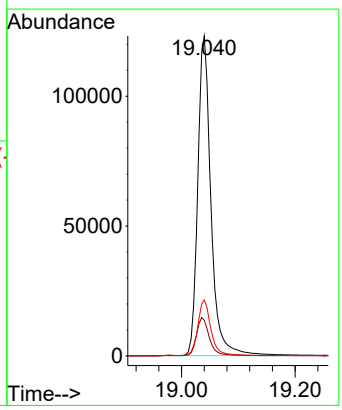


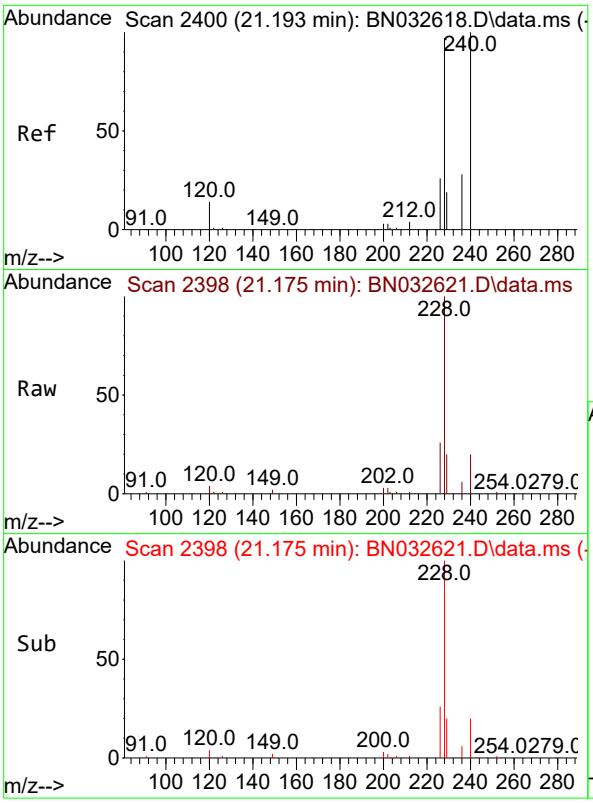


#28
Fluoranthene
Concen: 3.207 ng
RT: 19.040 min Scan# 1956
Delta R.T. -0.014 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:202 Resp: 198327

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.6	14.4
203	17.1	13.8	20.6



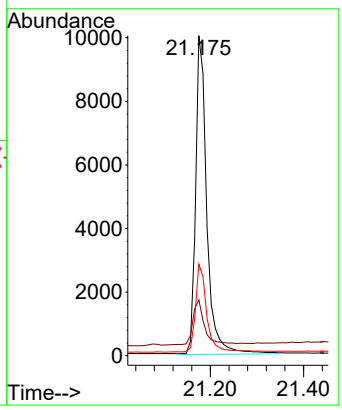


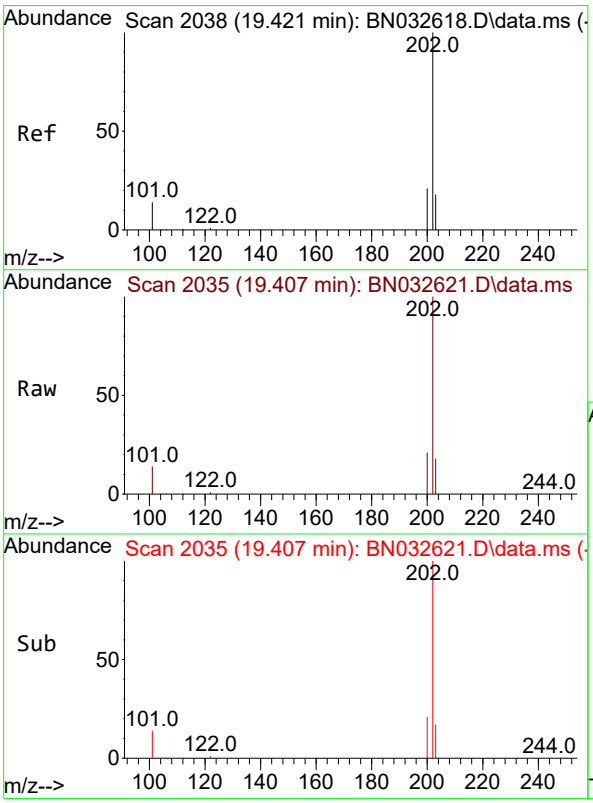
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.175 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 16714

Ion	Ratio	Lower	Upper
240	100		
120	17.4	14.8	22.2
236	28.6	23.3	34.9

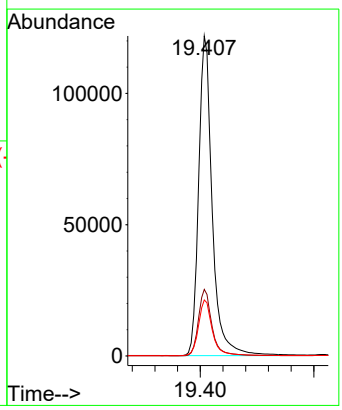


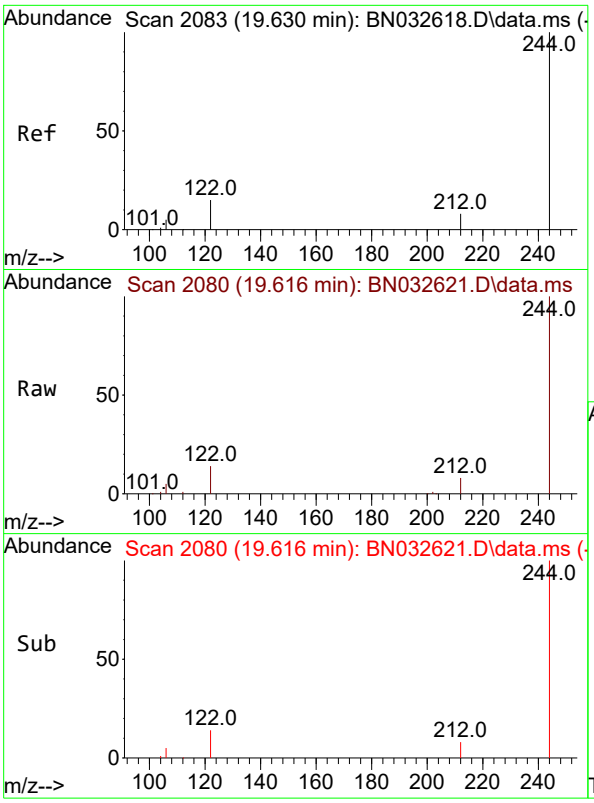


#30
Pyrene
Concen: 2.961 ng
RT: 19.407 min Scan# 2035
Delta R.T. -0.014 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:202 Resp: 201324

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.8	14.8	22.2



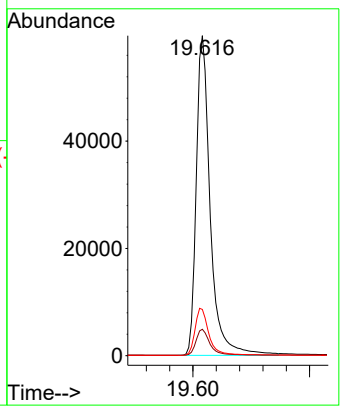


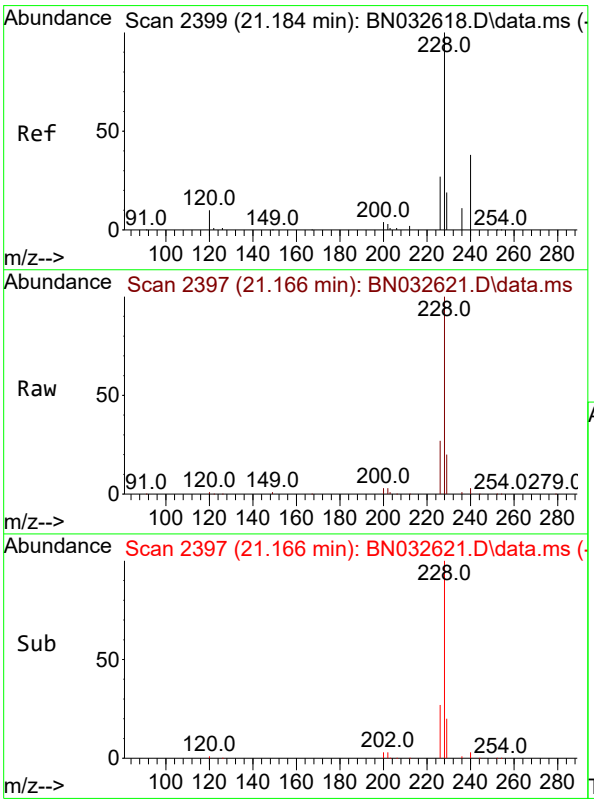
#31
Terphenyl-d14
Concen: 2.437 ng
RT: 19.616 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 99456

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.5	11.3
122	14.5	12.6	19.0

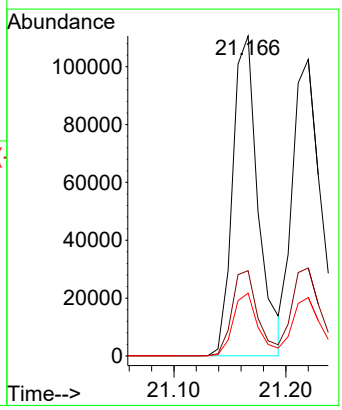


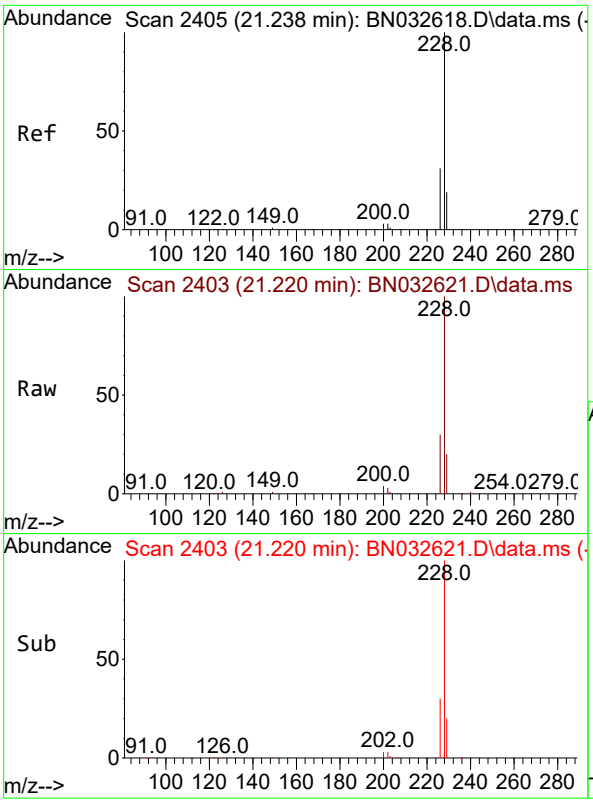


#32
Benzo(a)anthracene
Concen: 3.175 ng
RT: 21.166 min Scan# 2397
Delta R.T. -0.018 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:228 Resp: 175540

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.6
229	19.7	16.0	24.0



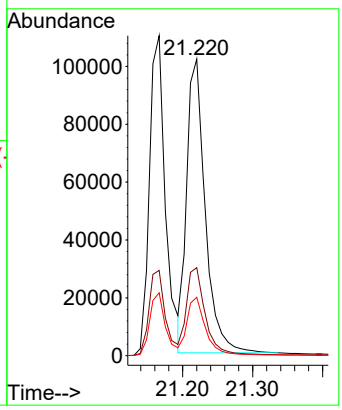


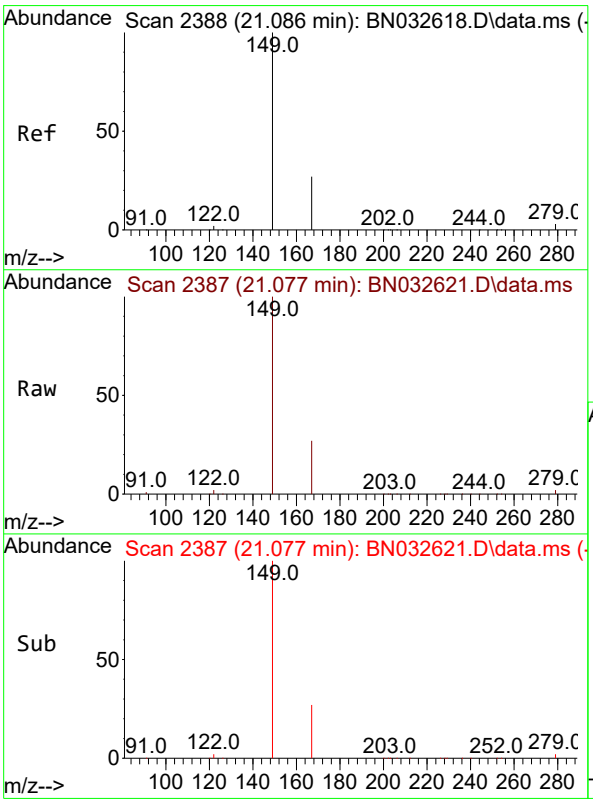
#33
Chrysene
Concen: 2.846 ng
RT: 21.220 min Scan# 24
Delta R.T. -0.018 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 186845

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.2
229	19.7	16.0	24.0

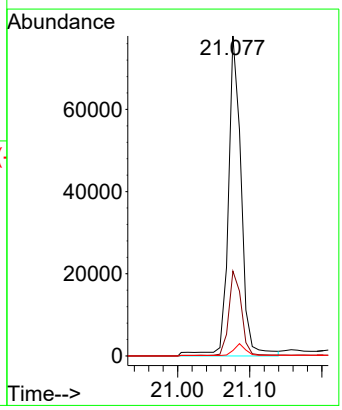


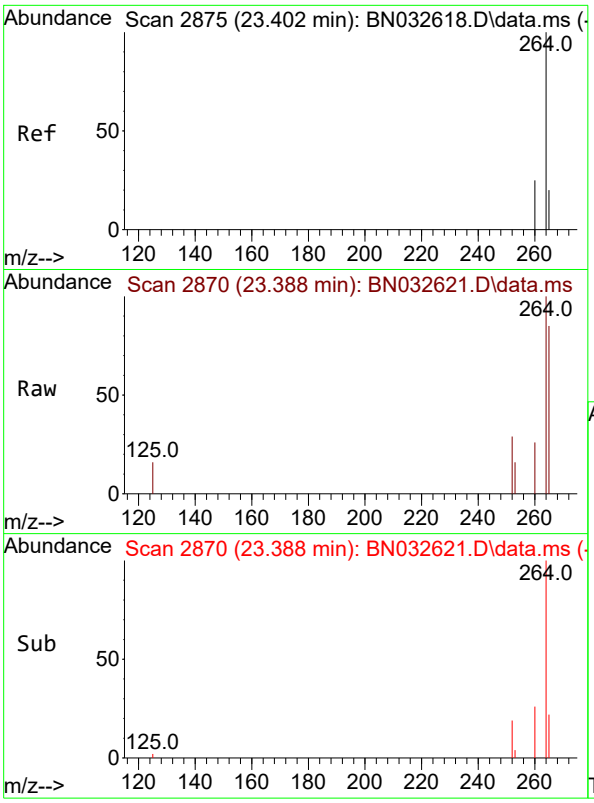


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.502 ng
RT: 21.077 min Scan# 2387
Delta R.T. -0.009 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:149 Resp: 93981

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.2
279	3.6	2.8	4.2



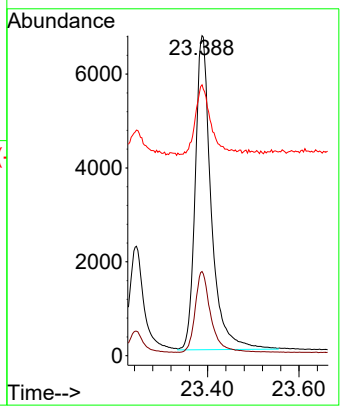


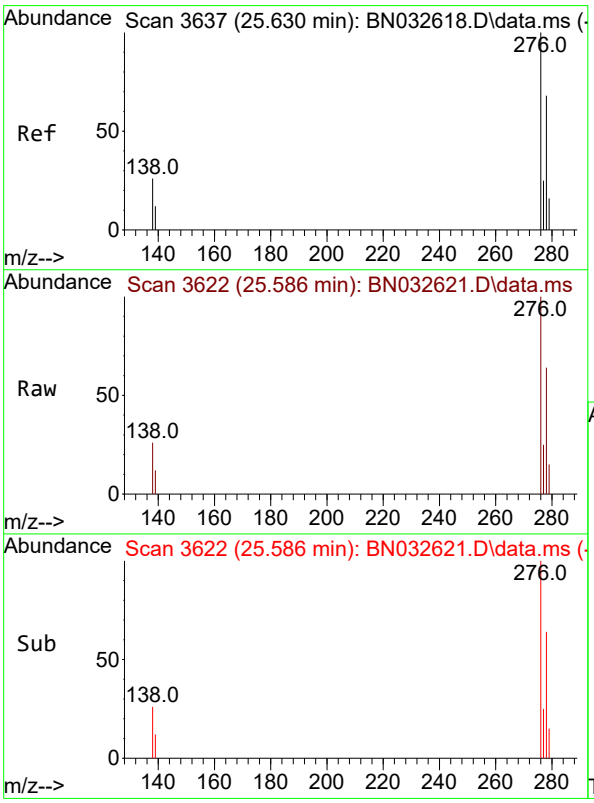
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.388 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 16268

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.9	31.3
265	84.6	85.4	128.2#

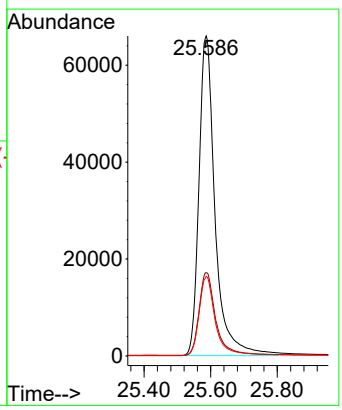


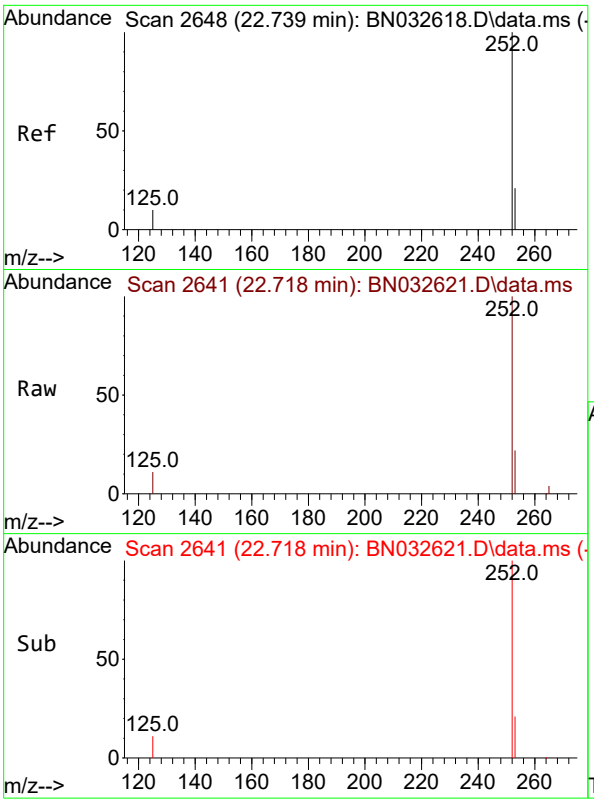


#36
Indeno(1,2,3-cd)pyrene
Concen: 3.569 ng
RT: 25.586 min Scan# 3622
Delta R.T. -0.044 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:276 Resp: 221820

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.0	31.4
277	24.9	19.5	29.3



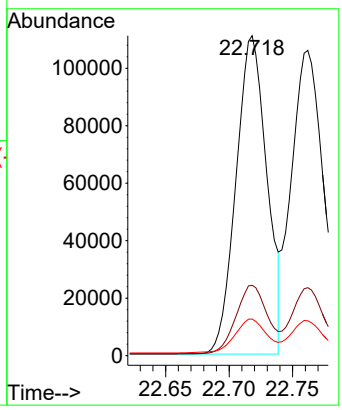


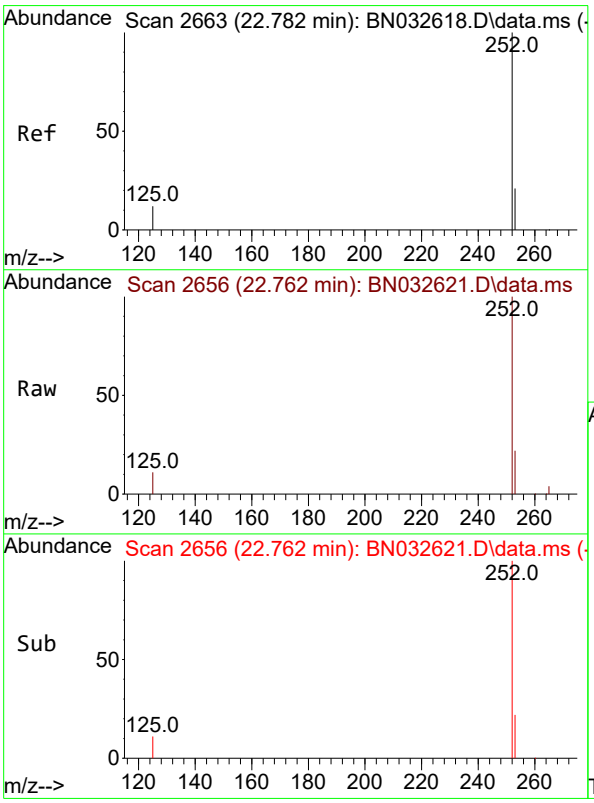
#37
Benzo(b)fluoranthene
Concen: 3.442 ng
RT: 22.718 min Scan# 2
Delta R.T. -0.020 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 186633

Ion	Ratio	Lower	Upper
252	100		
253	22.0	22.3	33.5#
125	11.4	15.4	23.2#

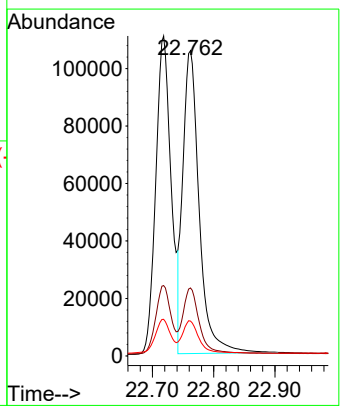


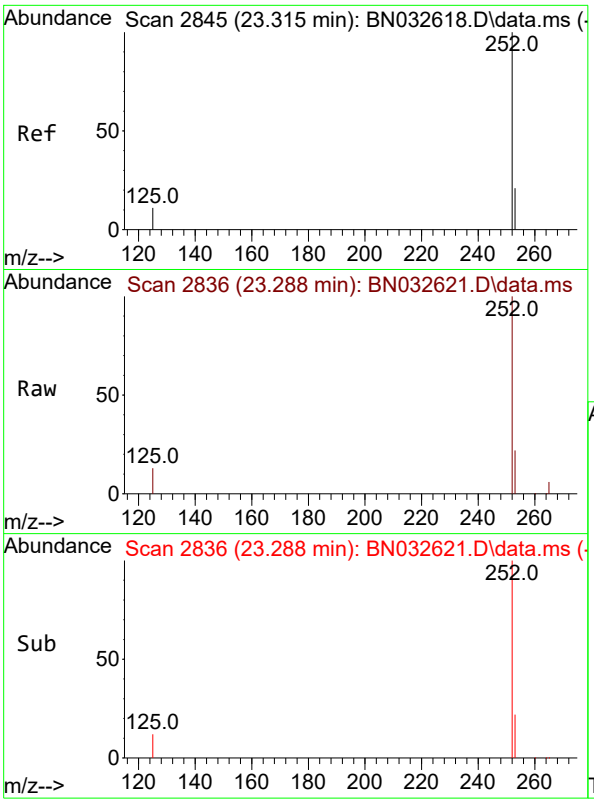


#38
Benzo(k)fluoranthene
Concen: 3.128 ng
RT: 22.762 min Scan# 2656
Delta R.T. -0.020 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:252 Resp: 195371

Ion	Ratio	Lower	Upper
252	100		
253	22.3	22.6	34.0#
125	11.4	16.2	24.4#



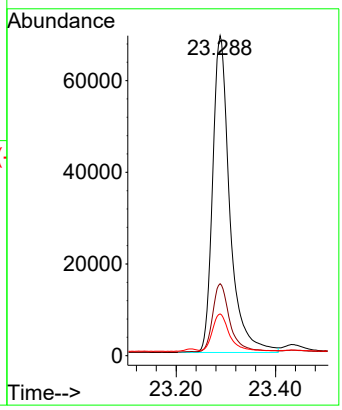


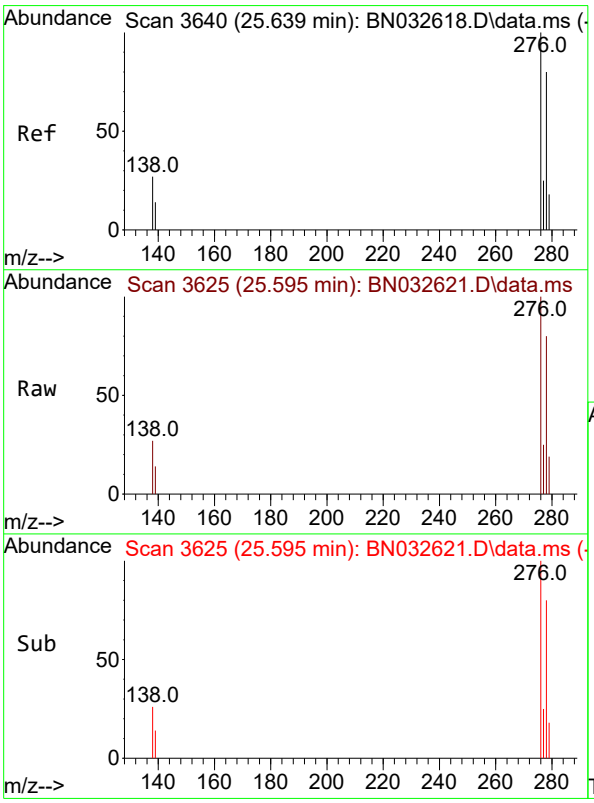
#39
Benzo(a)pyrene
Concen: 3.226 ng
RT: 23.288 min Scan# 2
Delta R.T. -0.026 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 165565

Ion	Ratio	Lower	Upper
252	100		
253	22.5	25.8	38.8#
125	13.1	21.4	32.2#

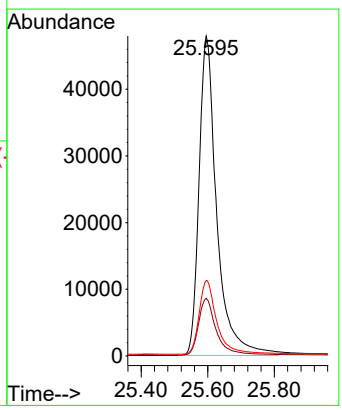


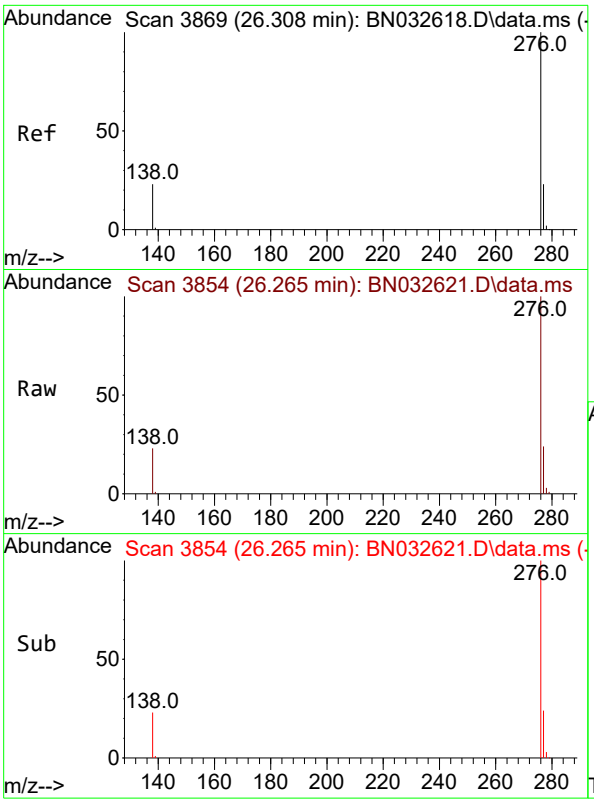


#40
Dibenzo(a,h)anthracene
Concen: 3.594 ng
RT: 25.595 min Scan# 3625
Delta R.T. -0.044 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Tgt Ion:278 Resp: 177246

Ion	Ratio	Lower	Upper
278	100		
139	18.1	16.7	25.1
279	23.6	24.3	36.5#





#41
Benzo(g,h,i)perylene
Concen: 3.561 ng
RT: 26.265 min Scan# 3
Delta R.T. -0.044 min
Lab File: BN032621.D
Acq: 10 Jul 2024 18:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 191262

Ion	Ratio	Lower	Upper
276	100		
277	24.0	20.2	30.2
138	23.1	20.5	30.7