Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011924\
Data File : BN029299.D
Acq On : 19 Jan 2024 11:40
Operator : MA/JU
Sample : PB158451BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Quant Time: Jan 19 12:08:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 18 16:49:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	3469	0.400	ng	0.00
7) Naphthalene-d8	10.744	136	9416	0.400	ng	0.00
13) Acenaphthene-d10	14.575	164	5102	0.400	ng	0.00
19) Phenanthrene-d10	17.330	188	12644	0.400	ng	0.00
29) Chrysene-d12	21.528	240	9995	0.400	ng	# 0.00
35) Perylene-d12	23.938	264	8740	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.507	112	3339	0.388	ng	0.00
5) Phenol-d6	7.103	99	4417	0.387	ng	0.00
8) Nitrobenzene-d5	9.100	82	2679	0.307	ng	0.00
11) 2-Methylnaphthalene-d10	12.329	152	5979	0.372	ng	0.00
14) 2,4,6-Tribromophenol	16.064	330	692	0.442	ng	0.00
15) 2-Fluorobiphenyl	13.207	172	7728	0.325	ng	0.00
27) Fluoranthene-d10	19.364	212	10601	0.276	ng	0.00
31) Terphenyl-d14	19.968	244	8515	0.340	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.413	88	970	0.229	ng	# 35
3) n-Nitrosodimethylamine	3.745	42	1240	0.294	ng	# 92
6) bis(2-Chloroethyl)ether	7.378	93	3247	0.303	ng	99
9) Naphthalene	10.786	128	8400	0.287	ng	99
10) Hexachlorobutadiene	11.075	225	1815	0.286	ng	# 100
12) 2-Methylnaphthalene	12.405	142	5366	0.272	ng	99
16) Acenaphthylene	14.297	152	8112	0.313	ng	99
17) Acenaphthene	14.639	154	5128	0.291	ng	99
18) Fluorene	15.617	166	7075	0.294	ng	99
20) 4,6-Dinitro-2-methylph...	15.704	198	444	0.343	ng	88
21) 4-Bromophenyl-phenylether	16.523	248	2161	0.321	ng	97
22) Hexachlorobenzene	16.622	284	3082	0.280	ng	98
23) Atrazine	16.796	200	1717	0.276	ng	97
24) Pentachlorophenol	16.970	266	1618	0.476	ng	96
25) Phenanthrene	17.367	178	12065	0.286	ng	99
26) Anthracene	17.454	178	10215	0.277	ng	100
28) Fluoranthene	19.392	202	13227	0.255	ng	99
30) Pyrene	19.754	202	13200	0.313	ng	100
32) Benzo(a)anthracene	21.510	228	11183	0.290	ng	99
33) Chrysene	21.564	228	12220	0.297	ng	99
34) Bis(2-ethylhexyl)phtha...	21.465	149	4873	0.280	ng	100
36) Indeno(1,2,3-cd)pyrene	26.431	276	11623	0.297	ng	99
37) Benzo(b)fluoranthene	23.204	252	11329	0.308	ng	97
38) Benzo(k)fluoranthene	23.253	252	10598	0.296	ng	96
39) Benzo(a)pyrene	23.826	252	8655	0.292	ng	97
40) Dibenzo(a,h)anthracene	26.464	278	9321	0.295	ng	96
41) Benzo(g,h,i)perylene	27.197	276	9981	0.300	ng	98

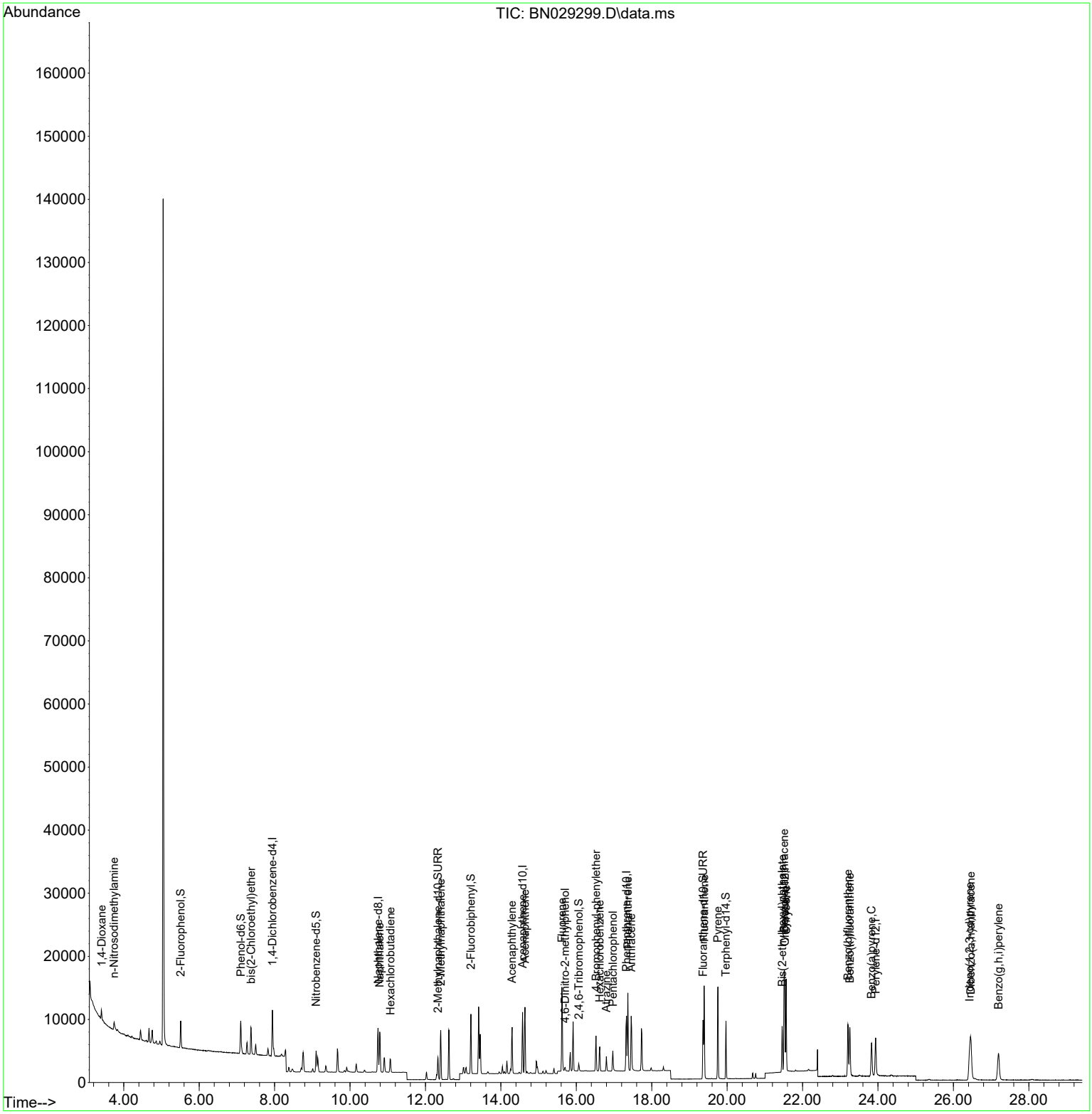
(#) = qualifier out of range (m) = manual integration (+) = signals summed

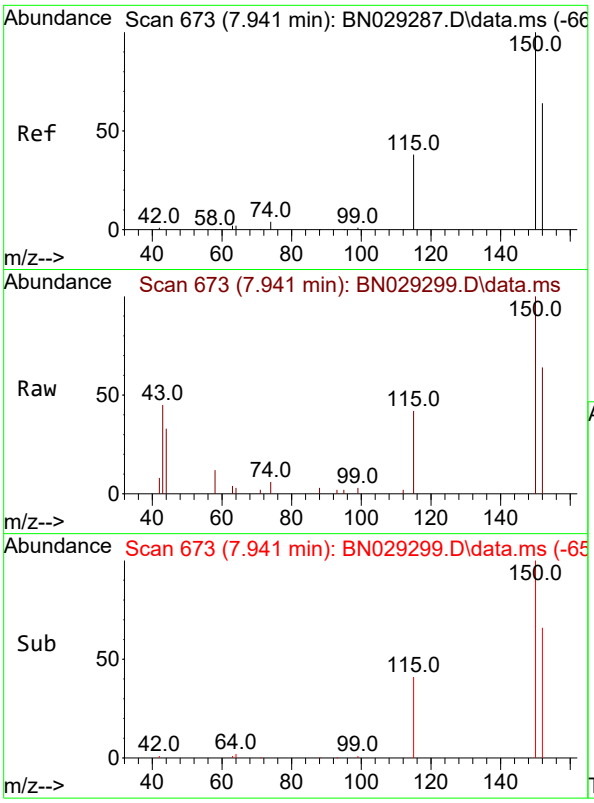
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011924\
Data File : BN029299.D
Acq On : 19 Jan 2024 11:40
Operator : MA/JU
Sample : PB158451BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Quant Time: Jan 19 12:08:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 18 16:49:42 2024
Response via : Initial Calibration



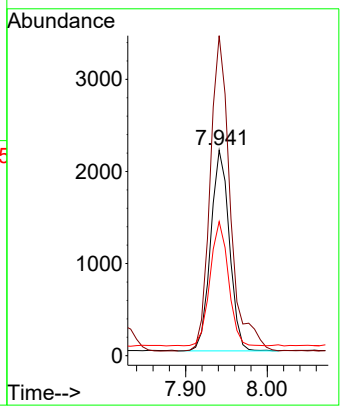


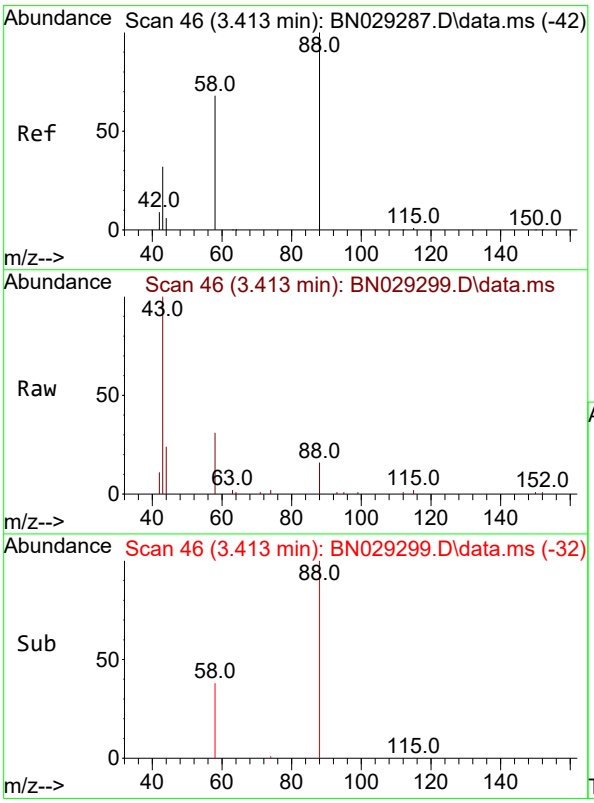
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.941 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:152 Resp: 3469

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	65.3	50.6	76.0

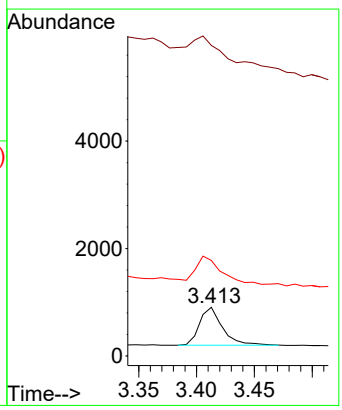


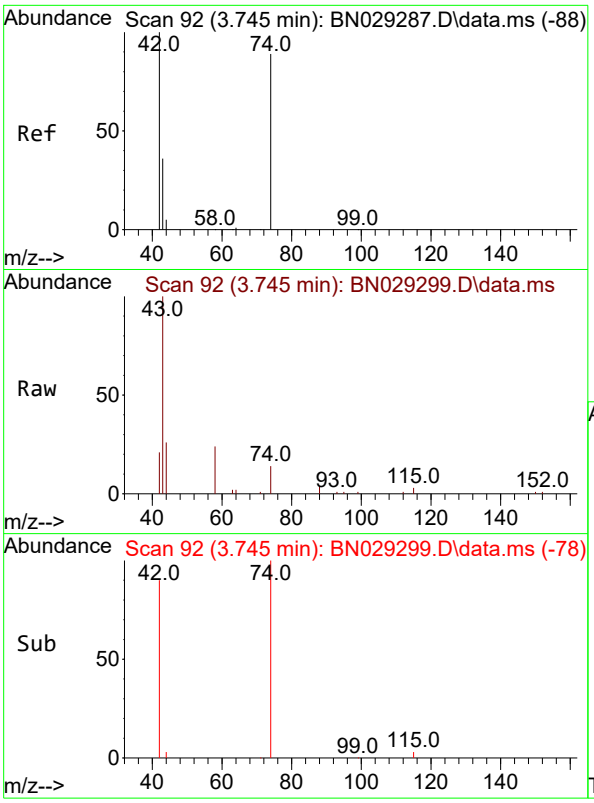


#2
1,4-Dioxane
Concen: 0.229 ng
RT: 3.413 min Scan# 46
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion: 88 Resp: 970

Ion	Ratio	Lower	Upper
88	100		
43	130.8	26.2	39.2#
58	79.7	55.3	82.9



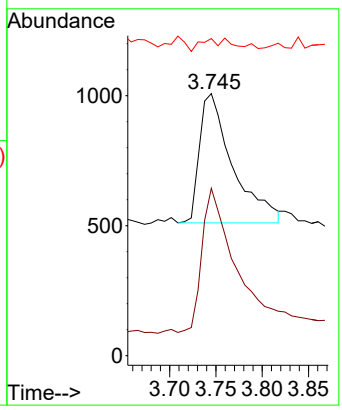


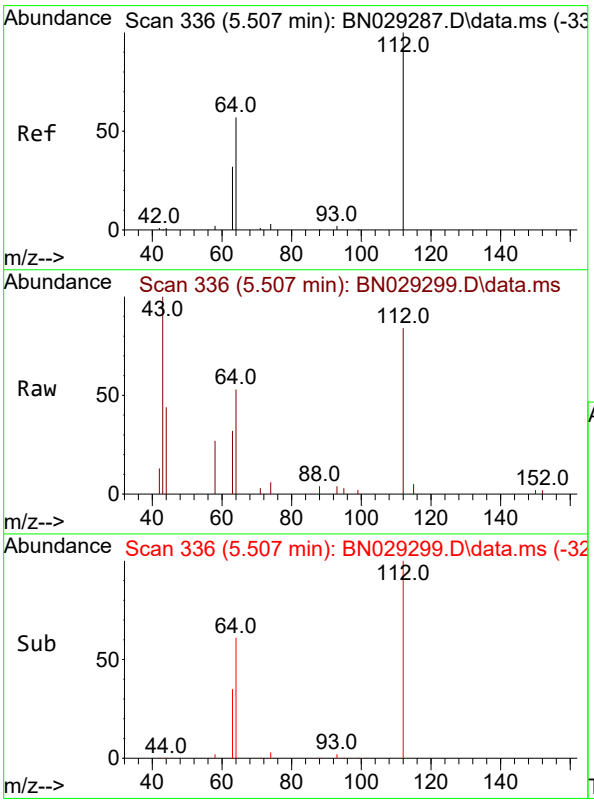
#3
n-Nitrosodimethylamine
Concen: 0.294 ng
RT: 3.745 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion: 42 Resp: 1240

Ion	Ratio	Lower	Upper
42	100		
74	114.8	85.4	128.2
44	5.0	2.8	4.2#

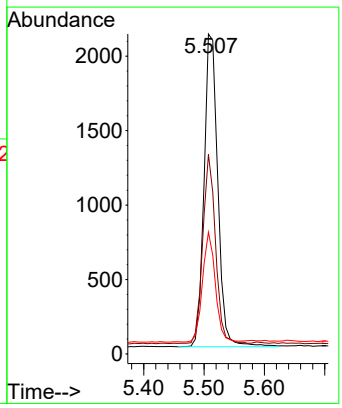


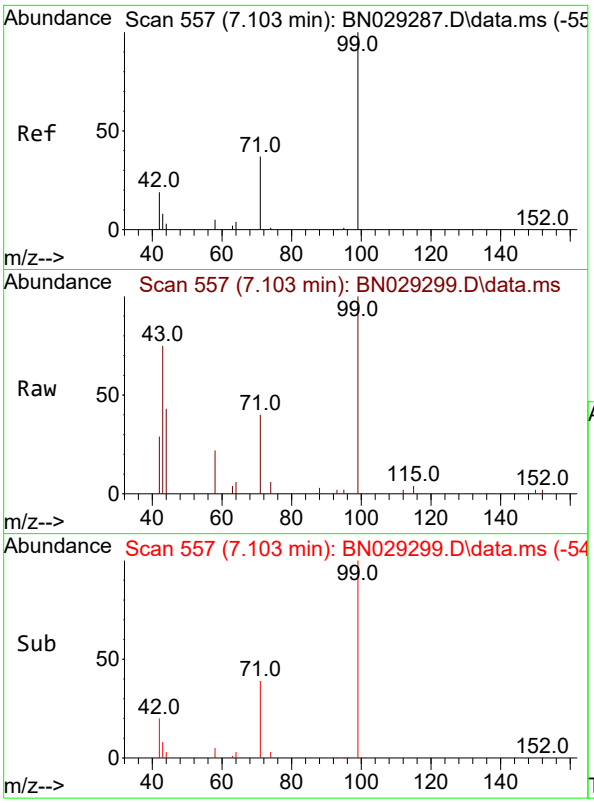


#4
2-Fluorophenol
Concen: 0.388 ng
RT: 5.507 min Scan# 336
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:112 Resp: 3339

Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.7	68.5
63	32.7	26.6	39.8



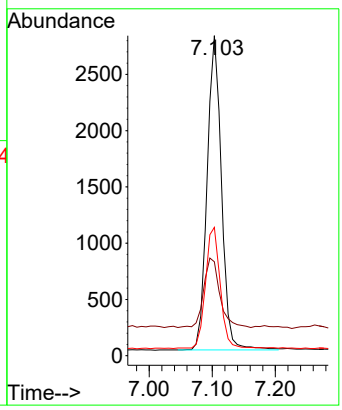


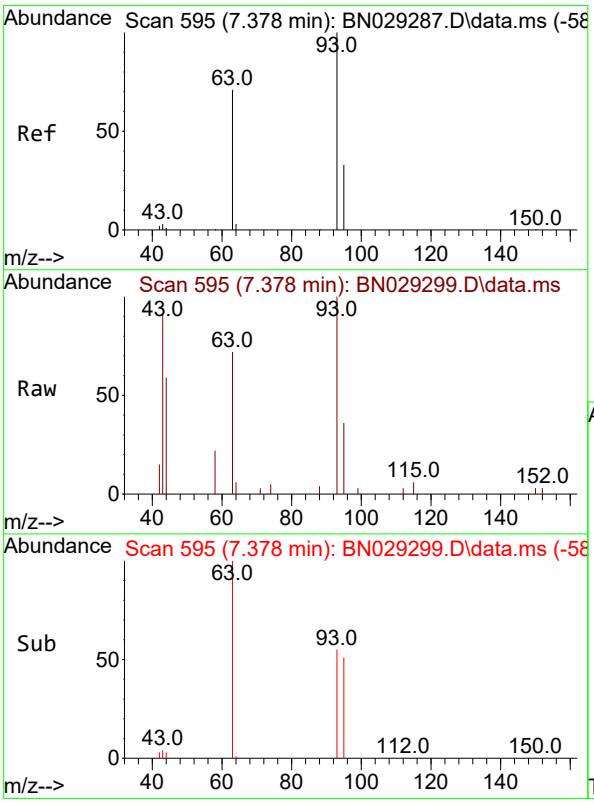
#5
Phenol-d6
Concen: 0.387 ng
RT: 7.103 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion: 99 Resp: 4417

Ion	Ratio	Lower	Upper
99	100		
42	25.2	19.1	28.7
71	39.5	31.2	46.8

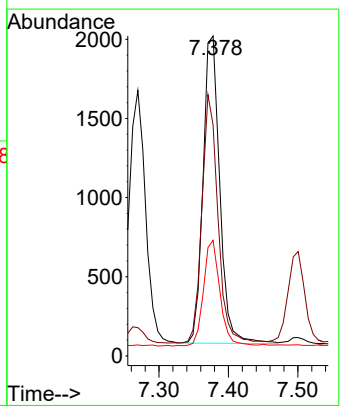


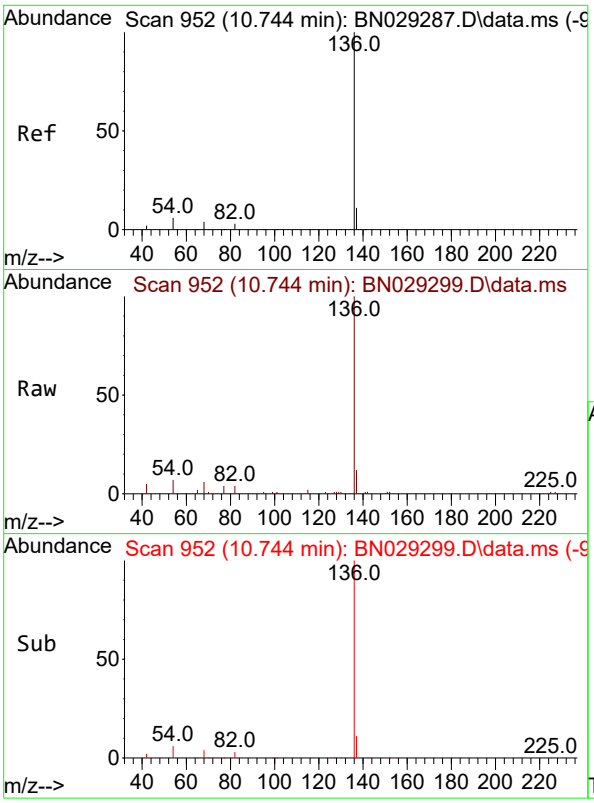


#6
bis(2-Chloroethyl)ether
Concen: 0.303 ng
RT: 7.378 min Scan# 595
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion: 93 Resp: 3247

Ion	Ratio	Lower	Upper
93	100		
63	77.4	61.3	91.9
95	34.2	26.3	39.5



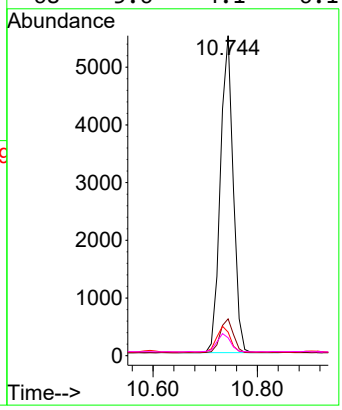


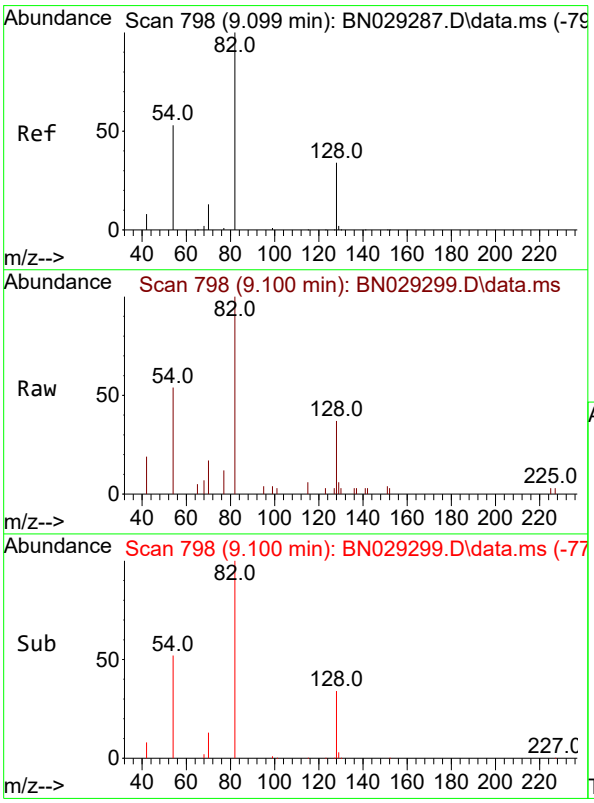
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.744 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:136 Resp: 9416

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.3	5.2	7.8
68	5.6	4.1	6.1

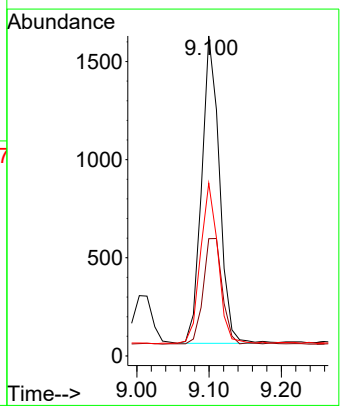


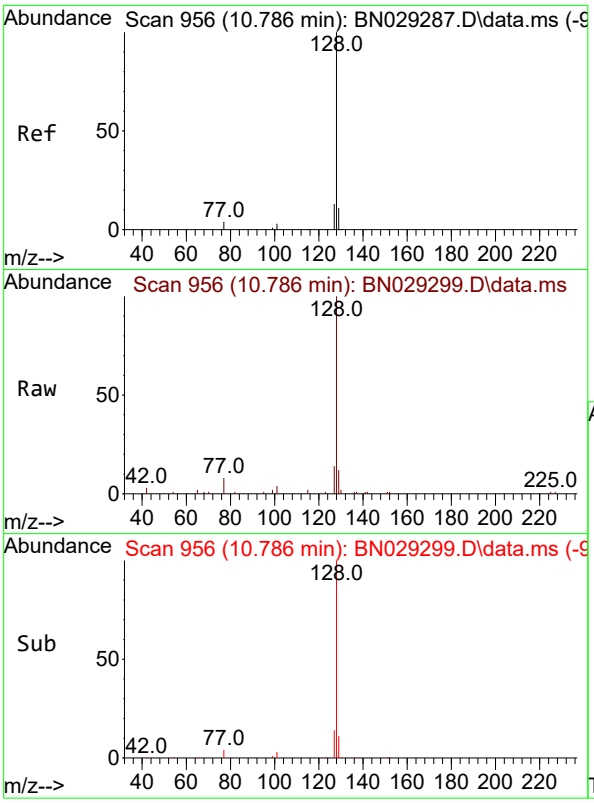


#8
Nitrobenzene-d5
Concen: 0.307 ng
RT: 9.100 min Scan# 798
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion: 82 Resp: 2679

Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.6	43.0
54	54.0	42.9	64.3



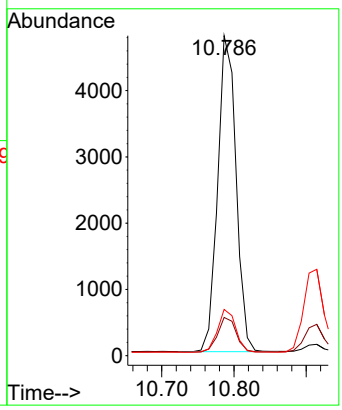


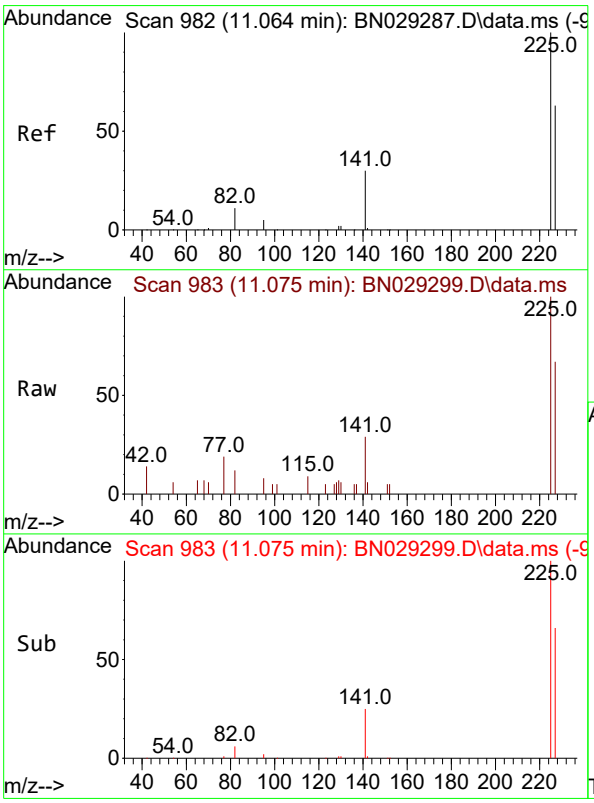
#9
Naphthalene
Concen: 0.287 ng
RT: 10.786 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:128 Resp: 8400

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.3	13.9
127	14.4	11.2	16.8

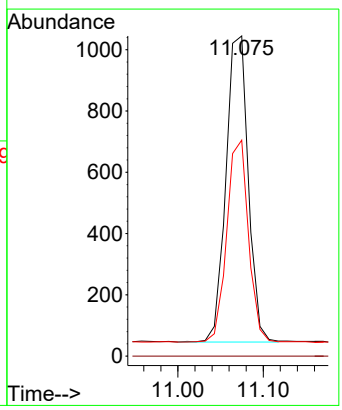


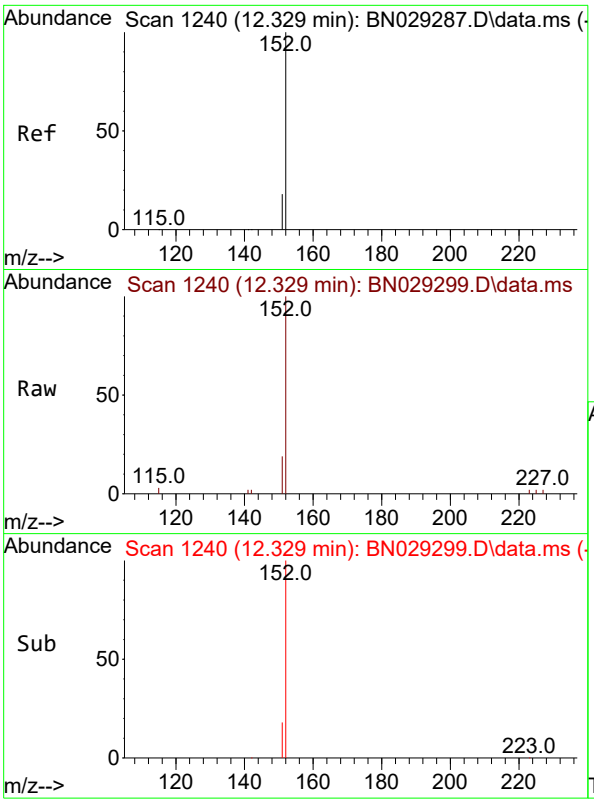


#10
Hexachlorobutadiene
Concen: 0.286 ng
RT: 11.075 min Scan# 983
Delta R.T. 0.011 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:225 Resp: 1815

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.3	76.9



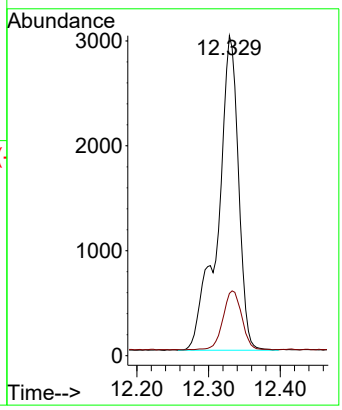


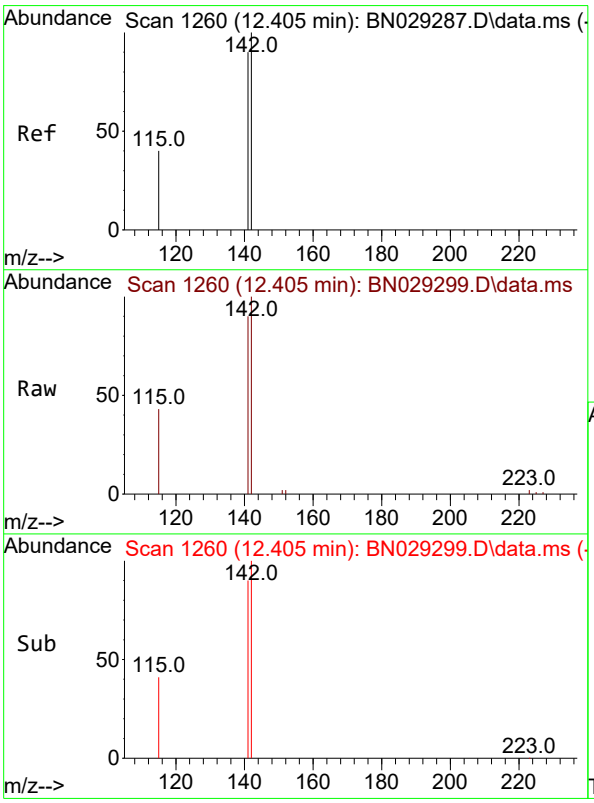
#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:152 Resp: 5979

Ion	Ratio	Lower	Upper
152	100		
151	17.1	16.6	24.8

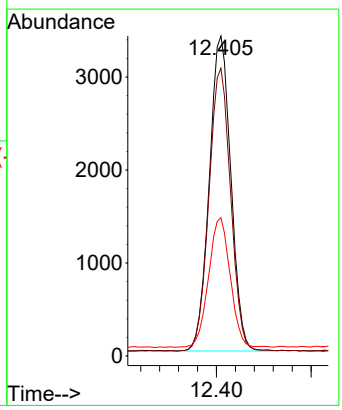


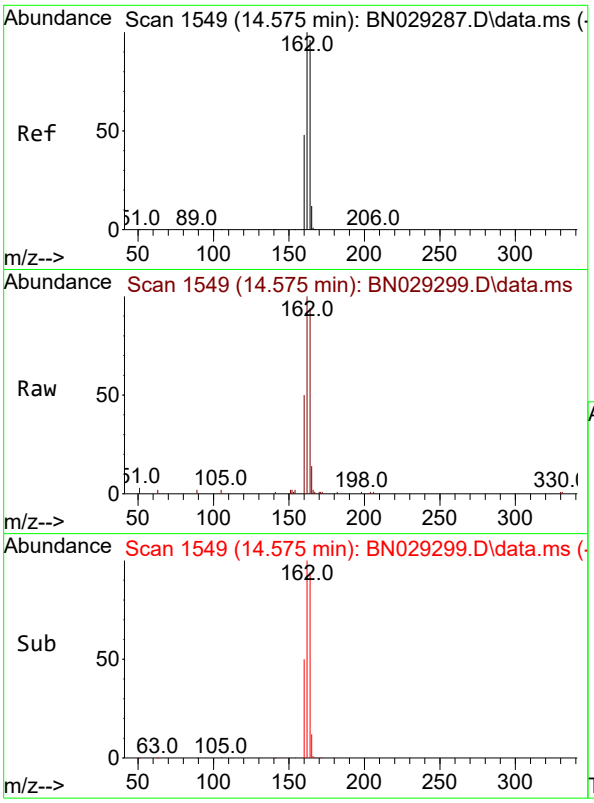


#12
2-Methylnaphthalene
Concen: 0.272 ng
RT: 12.405 min Scan# 1260
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:142 Resp: 5366

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.2	108.2
115	43.2	32.9	49.3



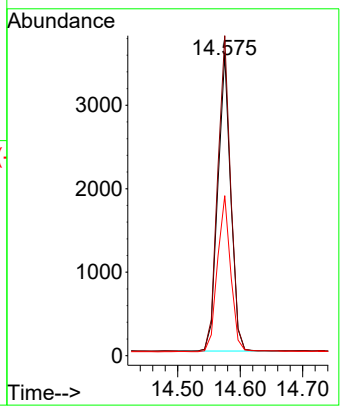


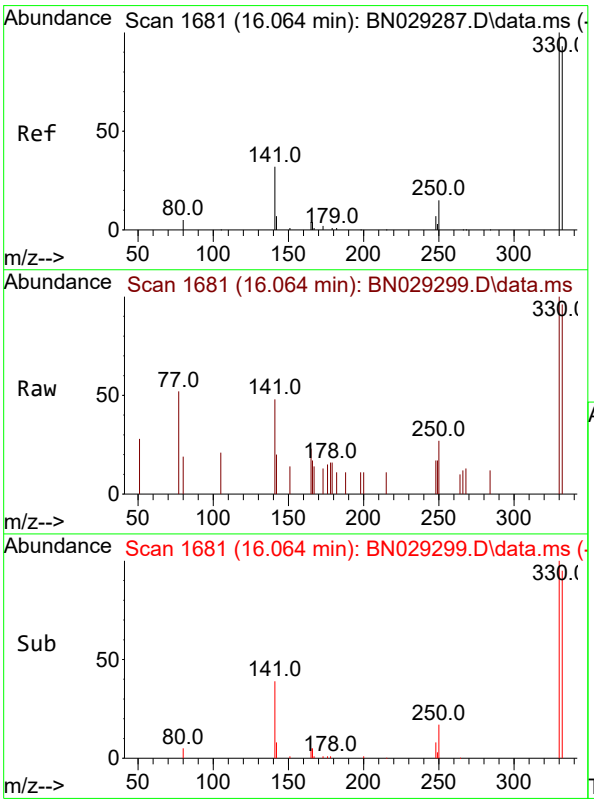
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:164 Resp: 5102

Ion	Ratio	Lower	Upper
164	100		
162	106.3	83.4	125.2
160	53.2	40.6	61.0

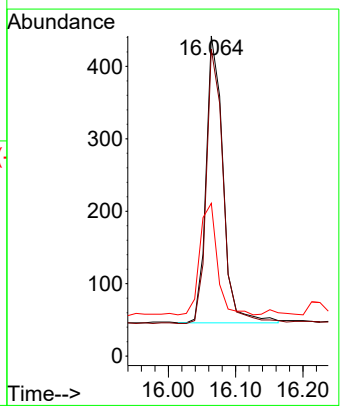


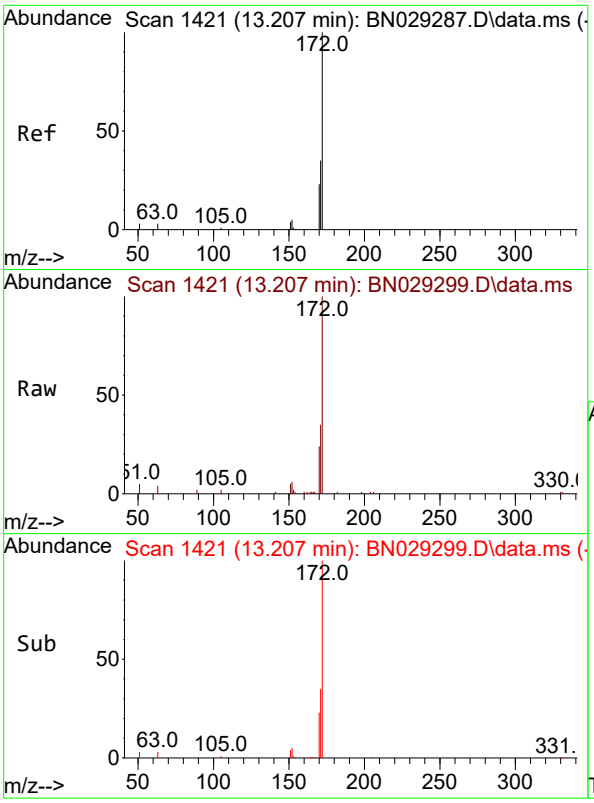


#14
2,4,6-Tribromophenol
Concen: 0.442 ng
RT: 16.064 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:330 Resp: 692

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	40.0	34.3	51.5



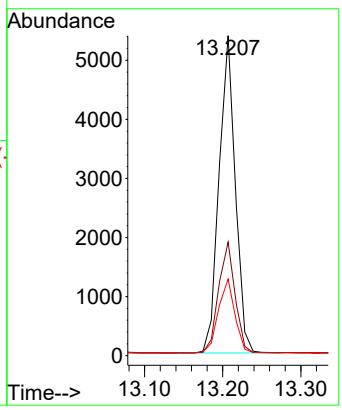


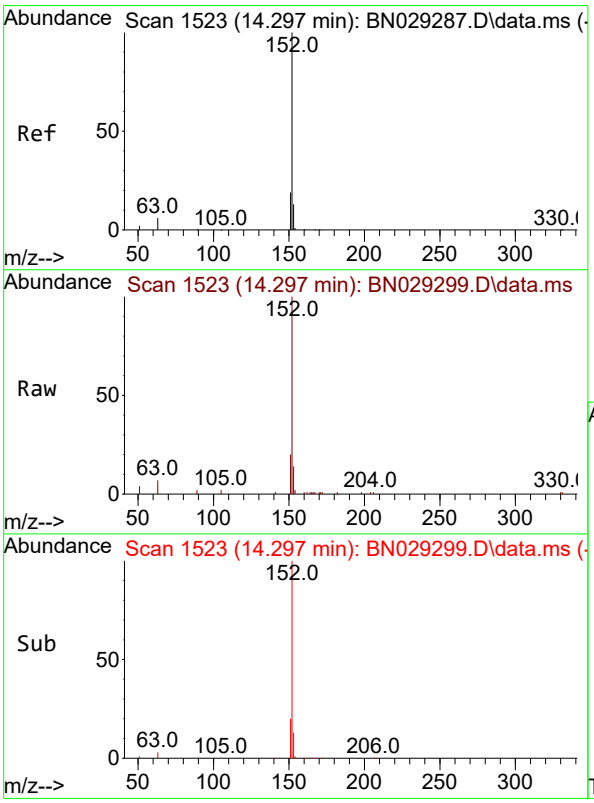
#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 13.207 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:172 Resp: 7728

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.0	42.0
170	23.9	18.7	28.1

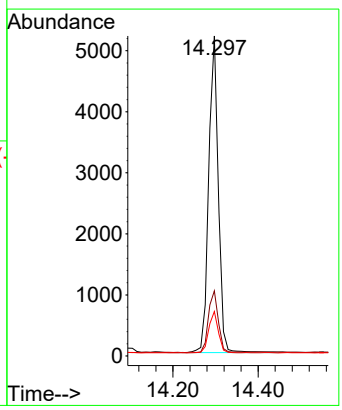


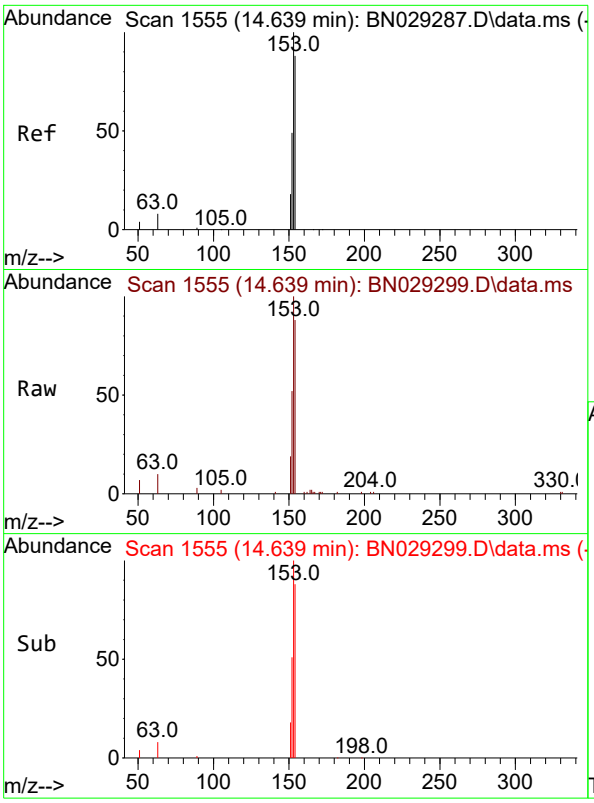


#16
Acenaphthylene
Concen: 0.313 ng
RT: 14.297 min Scan# 1523
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:152 Resp: 8112

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.6	23.4
153	13.1	10.6	16.0



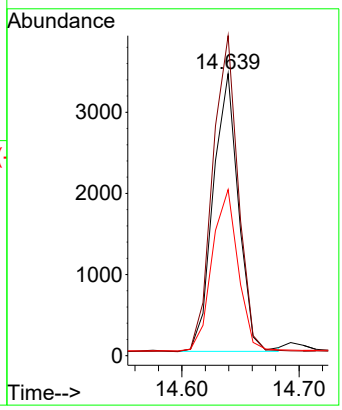


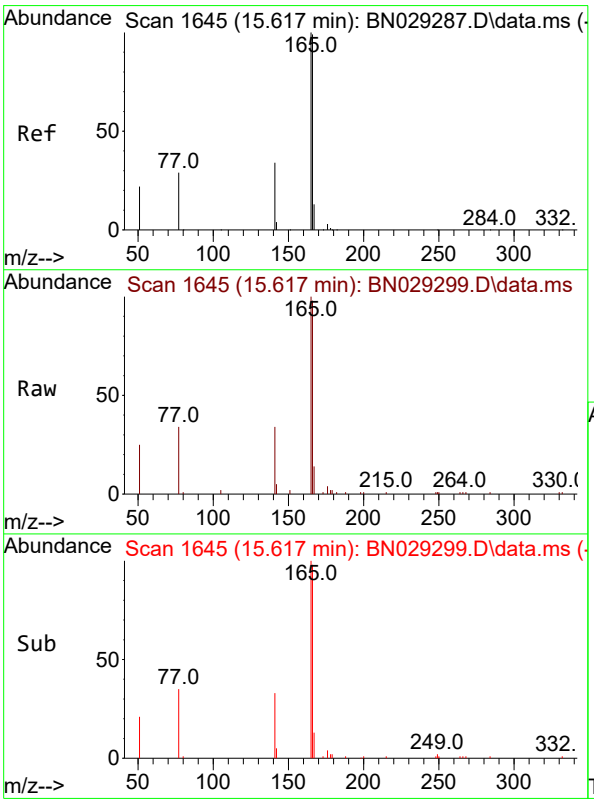
#17
Acenaphthene
Concen: 0.291 ng
RT: 14.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:154 Resp: 5128

Ion	Ratio	Lower	Upper
154	100		
153	114.6	92.2	138.2
152	59.9	47.4	71.2

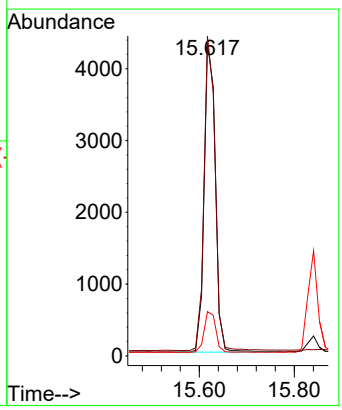


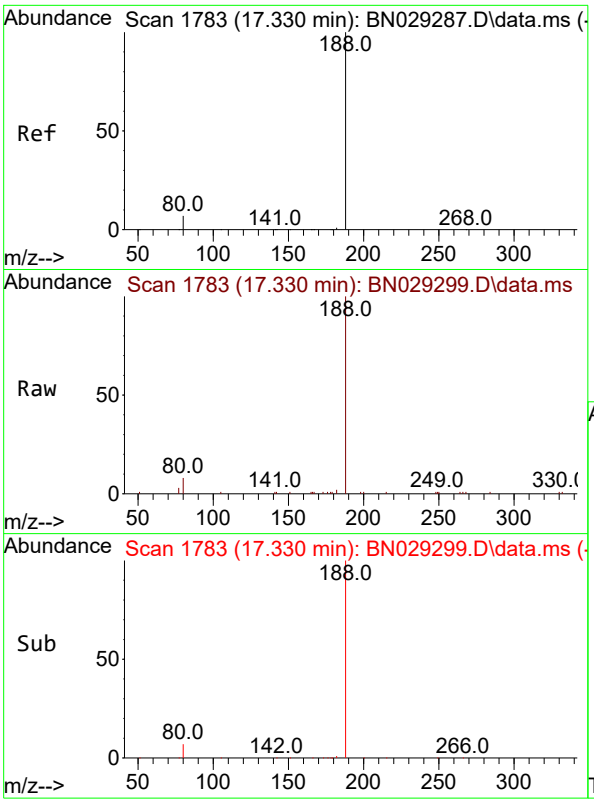


#18
Fluorene
Concen: 0.294 ng
RT: 15.617 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:166 Resp: 7075

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.3	118.9
167	13.5	10.8	16.2



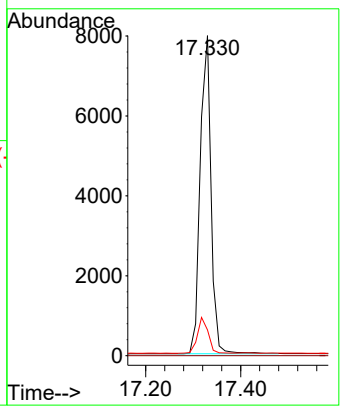


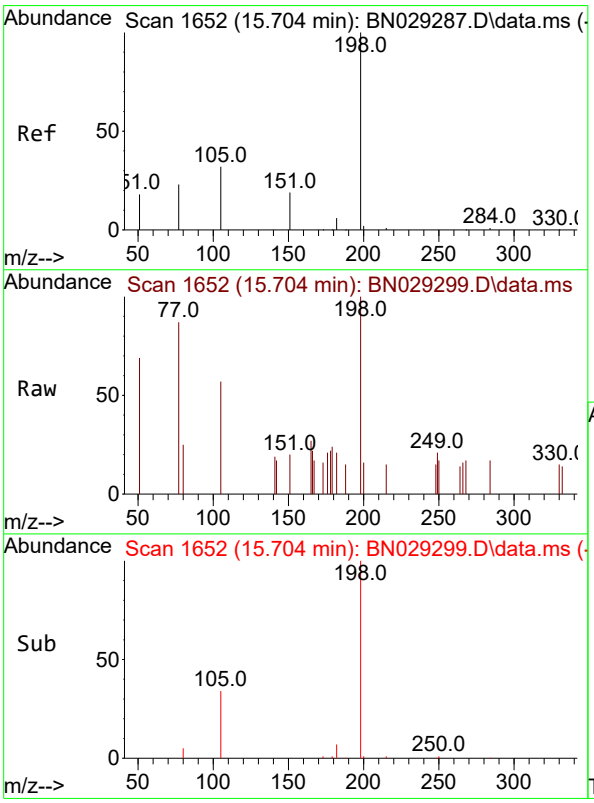
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.330 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:188 Resp: 12644

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	5.7	8.5

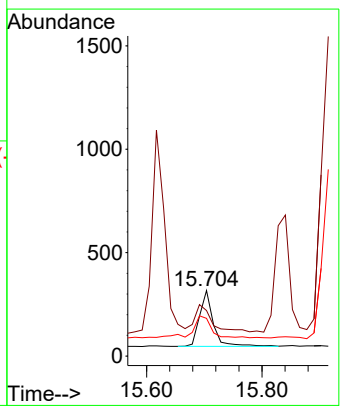


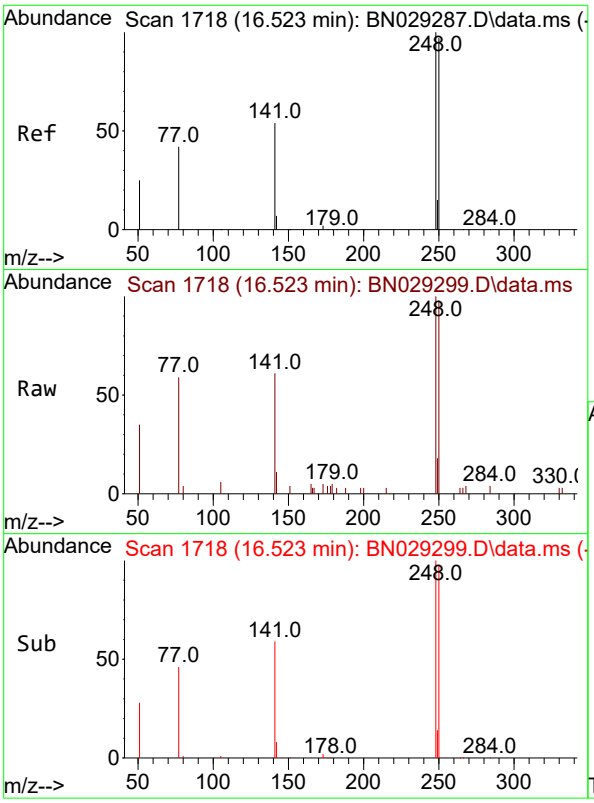


#20
4,6-Dinitro-2-methylphenol
Concen: 0.343 ng
RT: 15.704 min Scan# 1652
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:198 Resp: 444

Ion	Ratio	Lower	Upper
198	100		
51	69.4	48.8	73.2
105	57.4	39.0	58.6



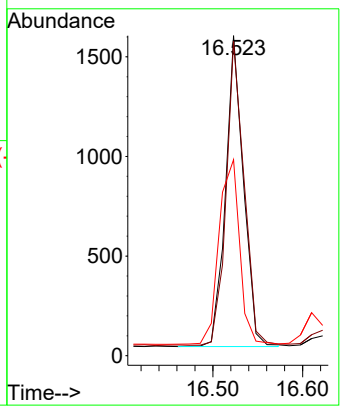


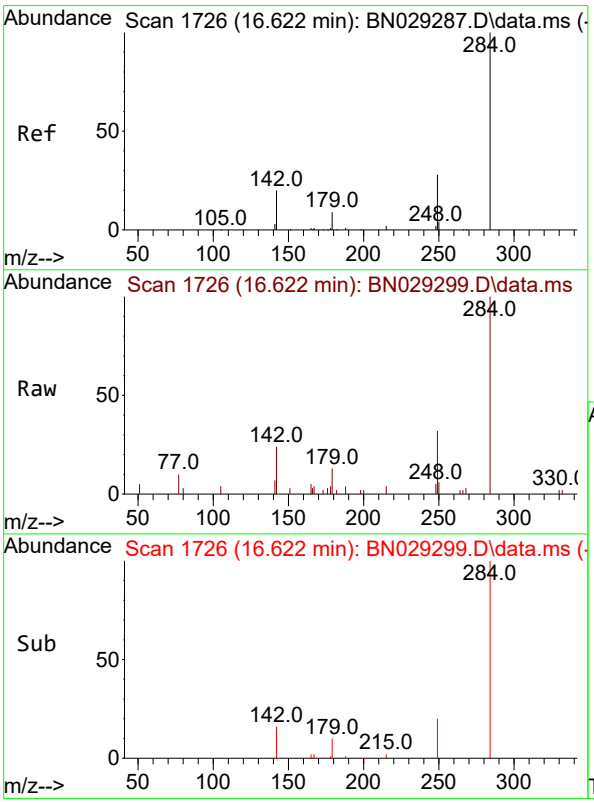
#21
4-Bromophenyl-phenylether
Concen: 0.321 ng
RT: 16.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:248 Resp: 2161

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.1	117.1
141	61.3	44.2	66.4

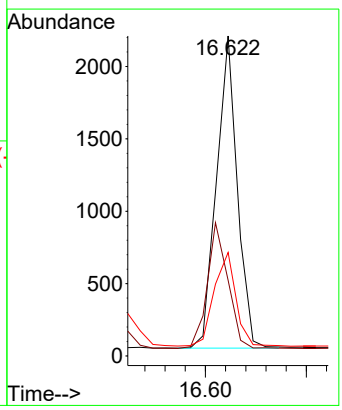


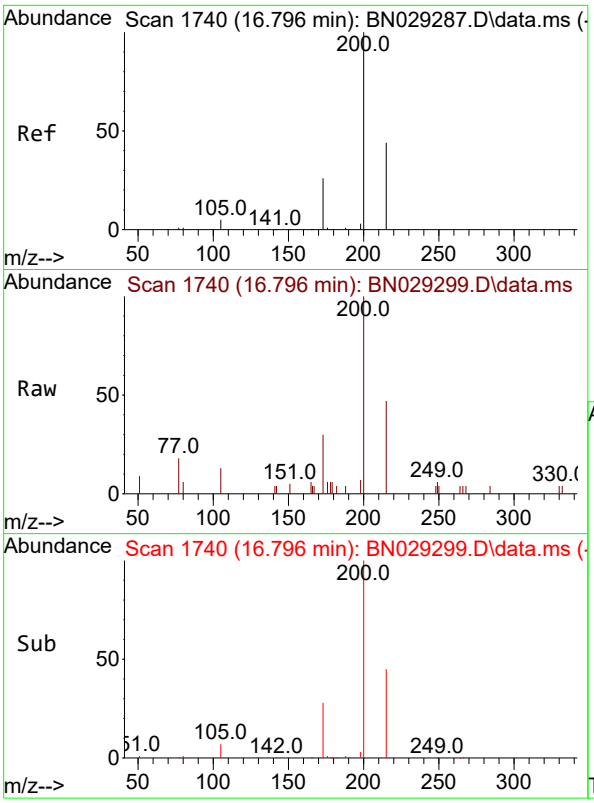


#22
Hexachlorobenzene
Concen: 0.280 ng
RT: 16.622 min Scan# 1726
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:284 Resp: 3082

Ion	Ratio	Lower	Upper
284	100		
142	39.8	30.6	45.8
249	31.3	24.9	37.3



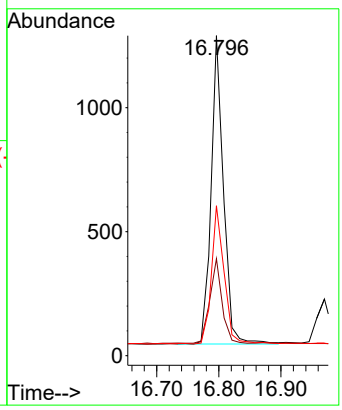


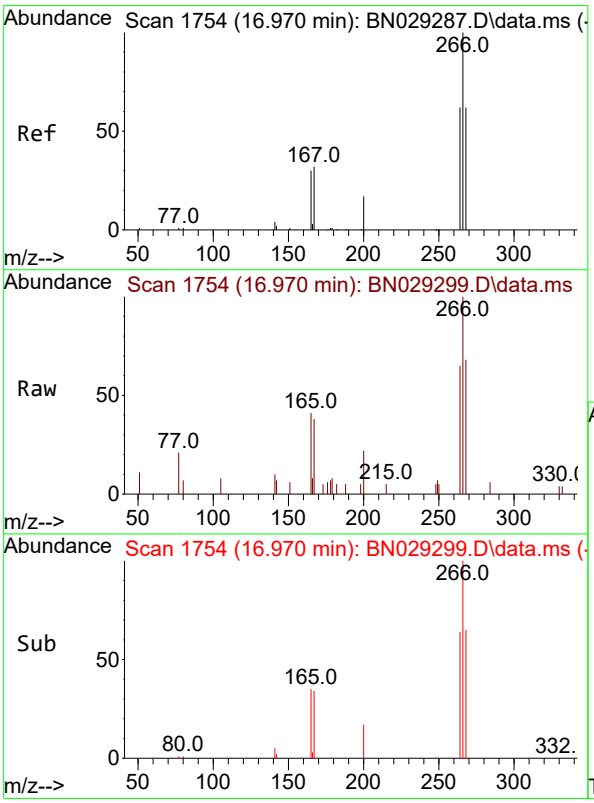
#23
Atrazine
Concen: 0.276 ng
RT: 16.796 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:200 Resp: 1717

Ion	Ratio	Lower	Upper
200	100		
173	30.3	22.2	33.4
215	46.8	36.6	54.8

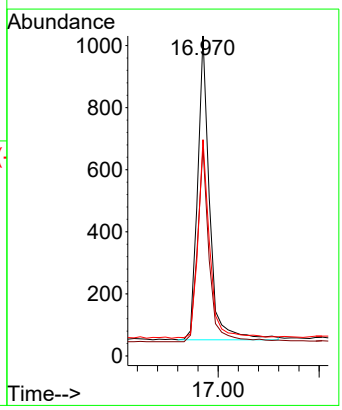


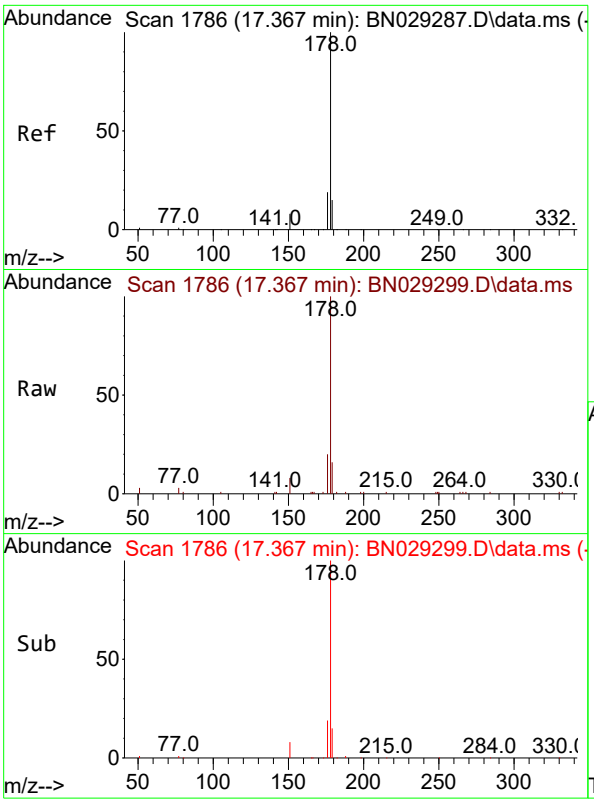


#24
Pentachlorophenol
Concen: 0.476 ng
RT: 16.970 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:266 Resp: 1618

Ion	Ratio	Lower	Upper
266	100		
264	62.1	48.3	72.5
268	64.5	47.7	71.5



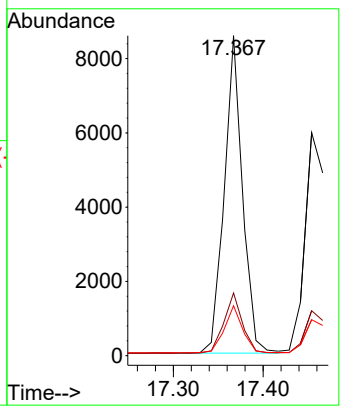


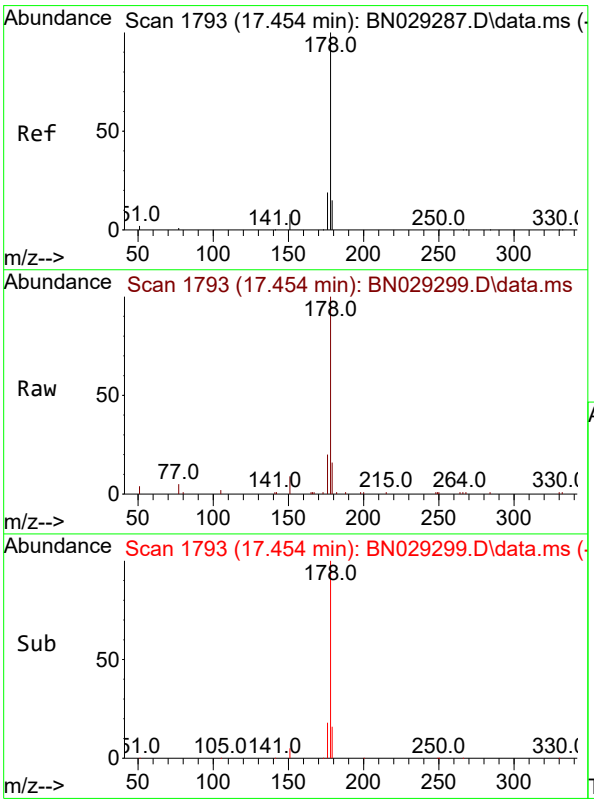
#25
Phenanthrene
Concen: 0.286 ng
RT: 17.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:178 Resp: 12065

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	14.8	12.3	18.5

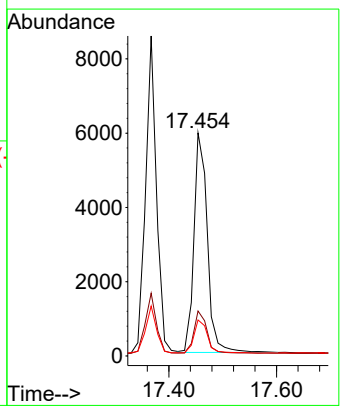


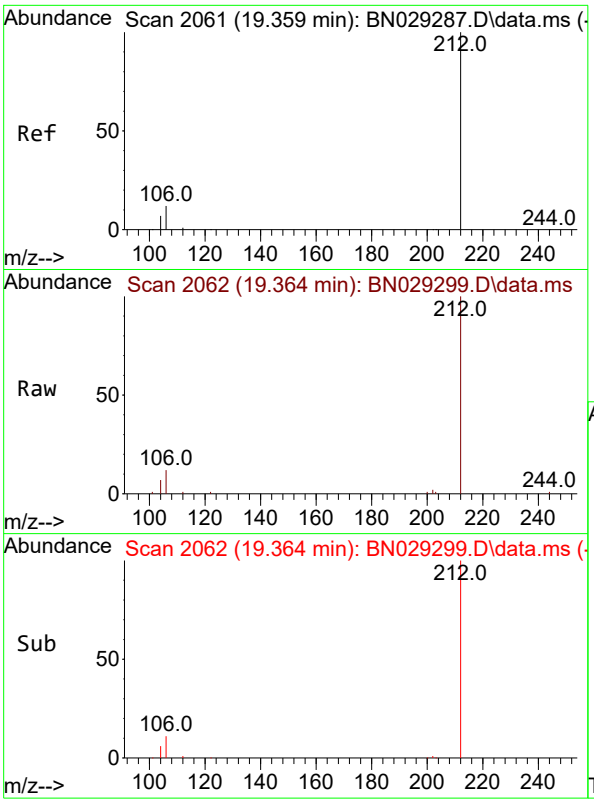


#26
Anthracene
Concen: 0.277 ng
RT: 17.454 min Scan# 1793
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:178 Resp: 10215

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.2	12.2	18.2



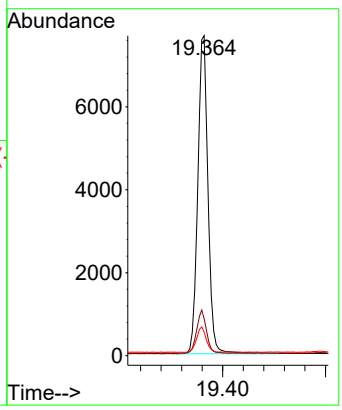


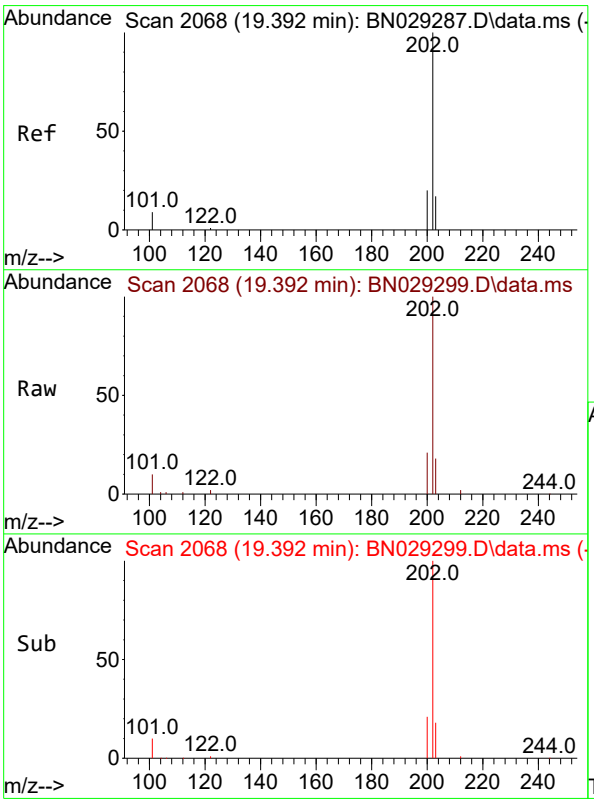
#27
Fluoranthene-d10
Concen: 0.276 ng
RT: 19.364 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:212 Resp: 10601

Ion	Ratio	Lower	Upper
212	100		
106	12.8	9.9	14.9
104	7.6	5.8	8.8

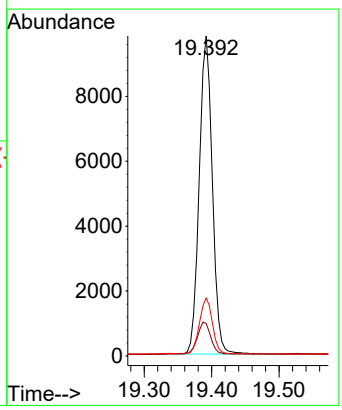


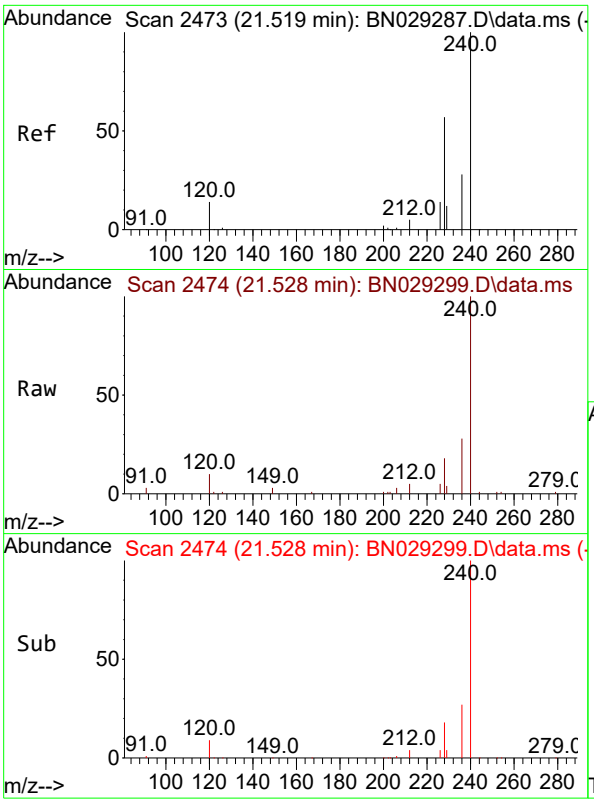


#28
Fluoranthene
Concen: 0.255 ng
RT: 19.392 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:202 Resp: 13227

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.1	12.1
203	17.4	13.8	20.6



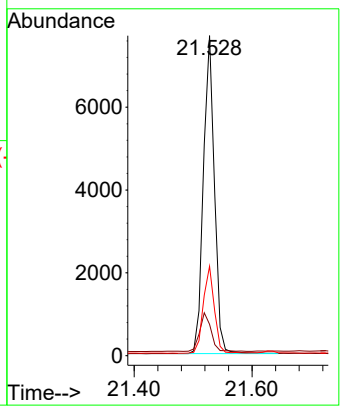


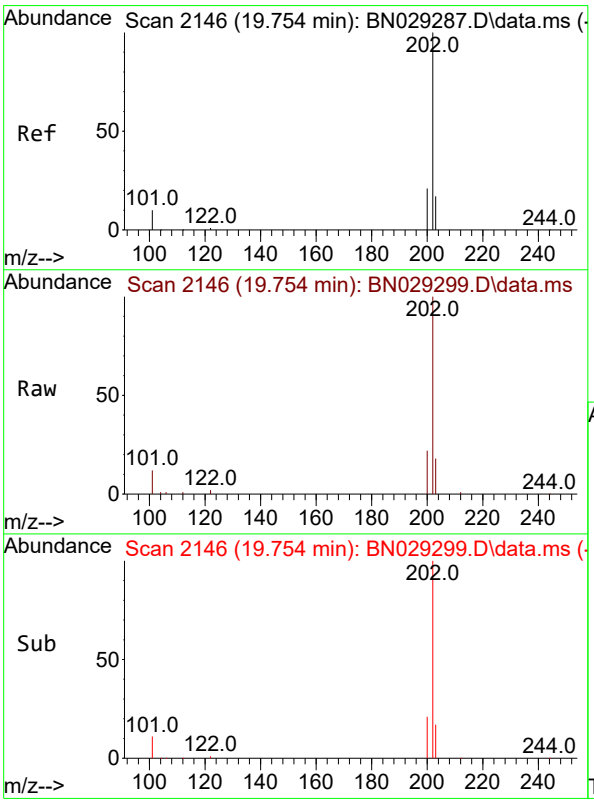
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.528 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:240 Resp: 9995

Ion	Ratio	Lower	Upper
240	100		
120	9.8	11.8	17.8#
236	27.9	22.7	34.1

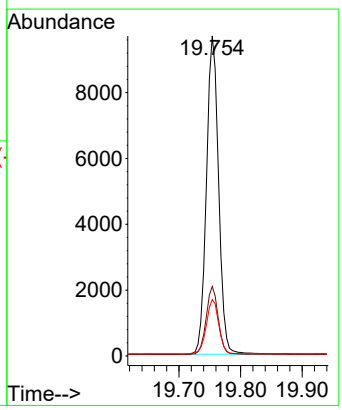


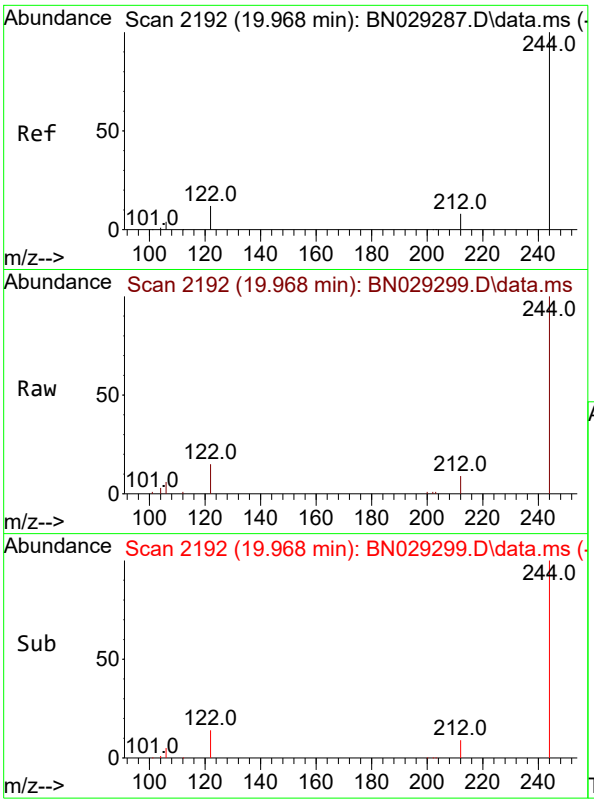


#30
Pyrene
Concen: 0.313 ng
RT: 19.754 min Scan# 2146
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:202 Resp: 13200

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.6	14.2	21.2



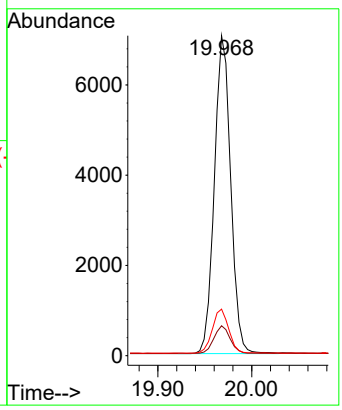


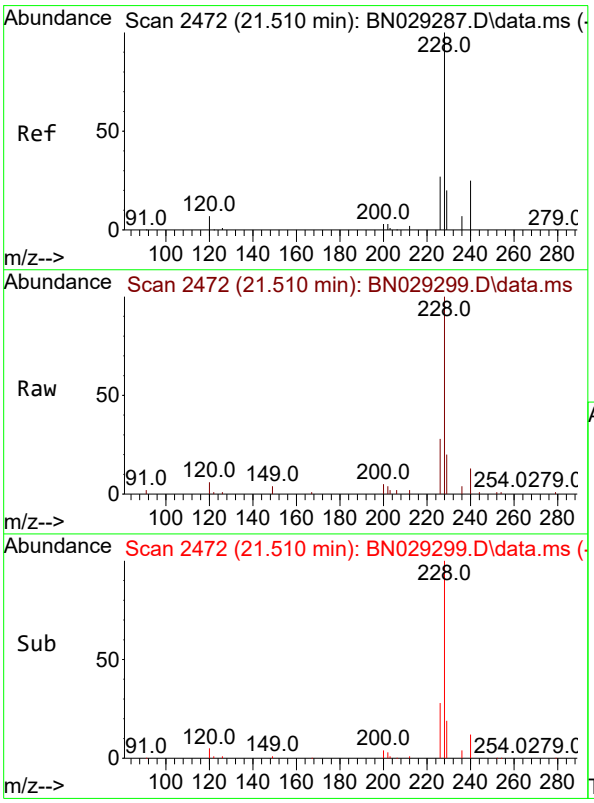
#31
Terphenyl-d14
Concen: 0.340 ng
RT: 19.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:244 Resp: 8515

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.0	10.4
122	14.6	10.2	15.4

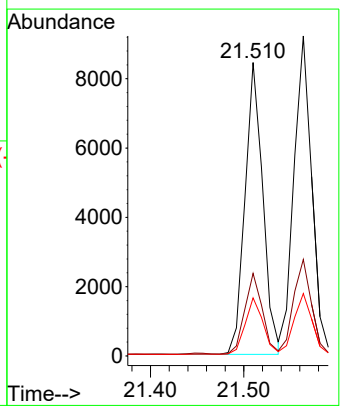


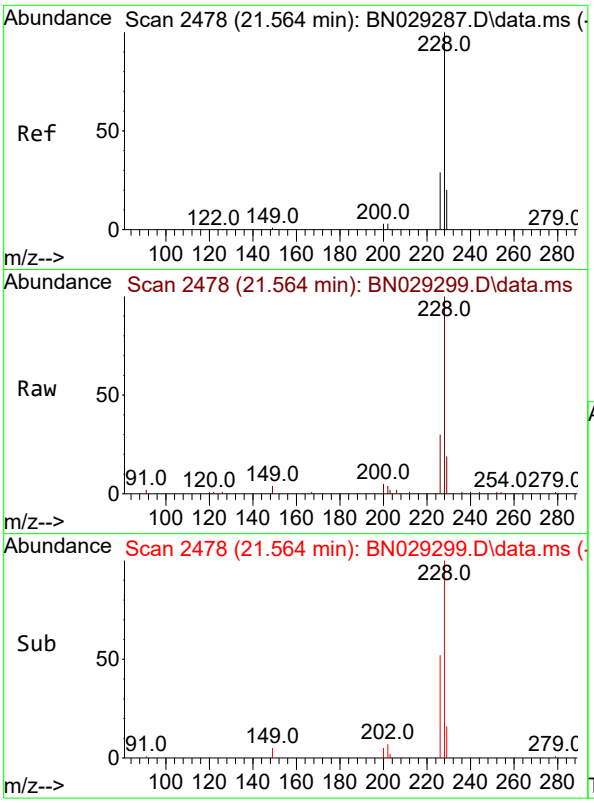


#32
Benzo(a)anthracene
Concen: 0.290 ng
RT: 21.510 min Scan# 2472
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:228 Resp: 11183

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.7	32.5
229	19.8	16.1	24.1



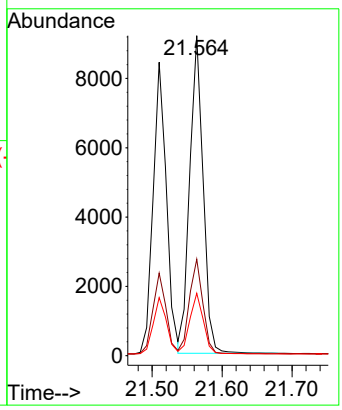


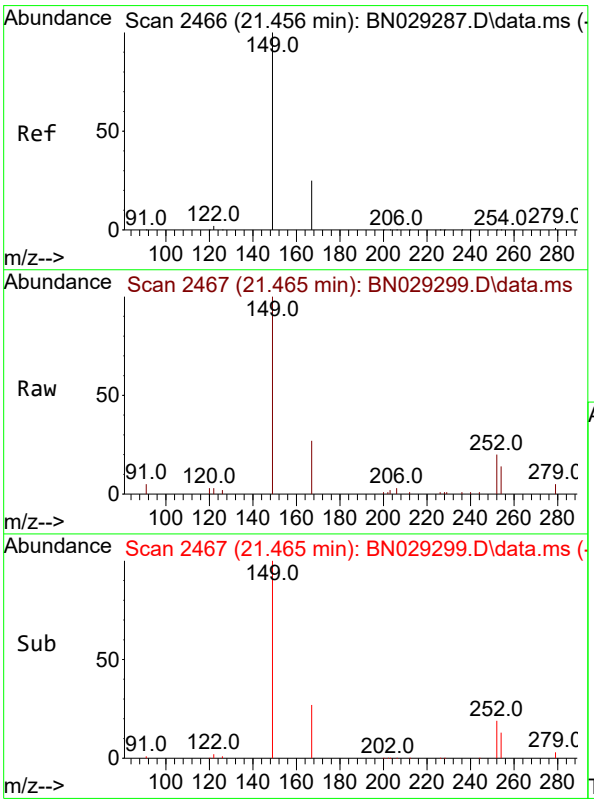
#33
Chrysene
Concen: 0.297 ng
RT: 21.564 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:228 Resp: 12220

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.5	35.3
229	19.5	15.8	23.8

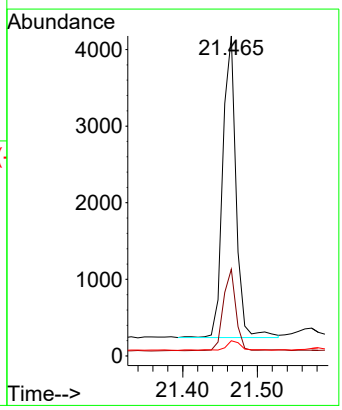


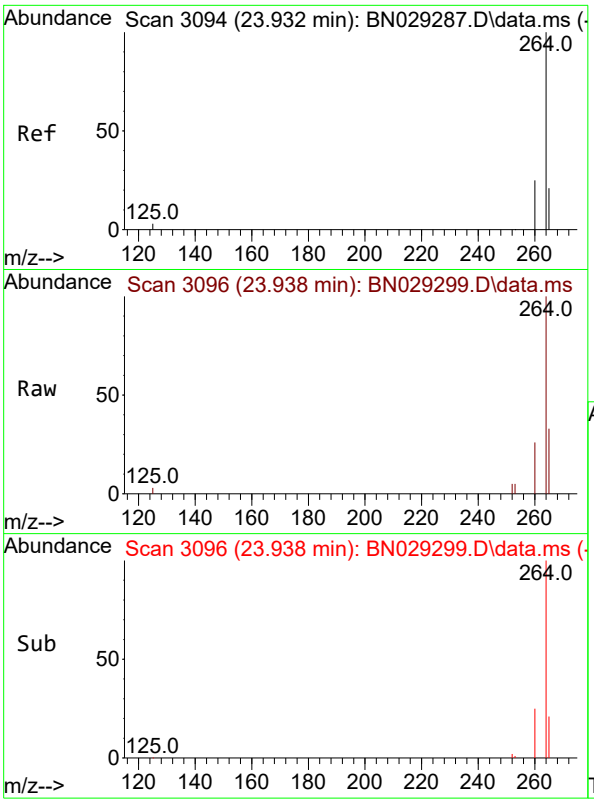


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.280 ng
RT: 21.465 min Scan# 2467
Delta R.T. 0.009 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:149 Resp: 4873

Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.3	30.5
279	3.4	2.6	4.0



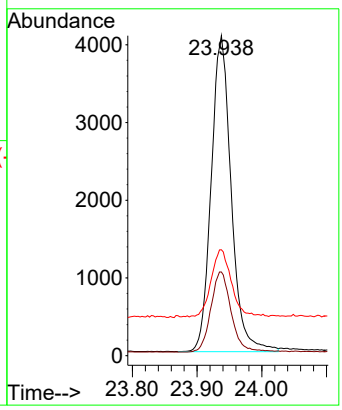


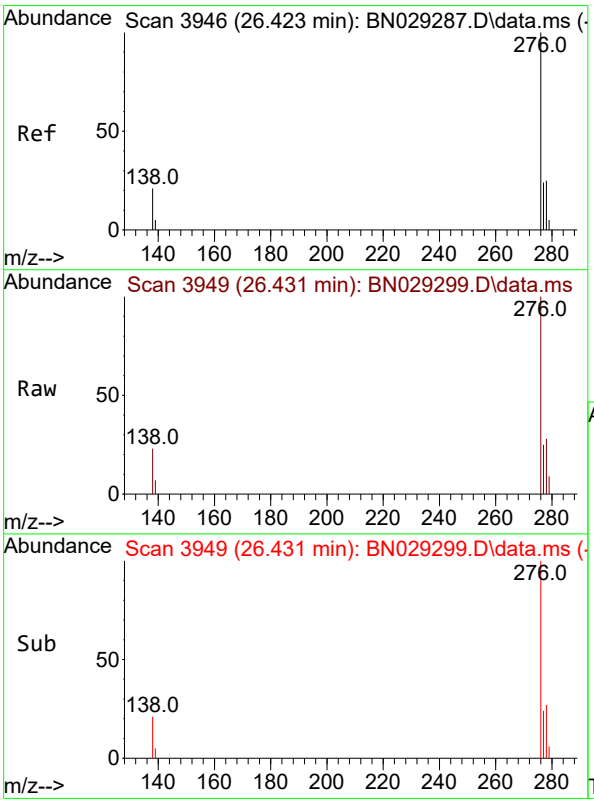
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.938 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:264 Resp: 8740

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.7	31.1
265	33.1	21.4	32.0#

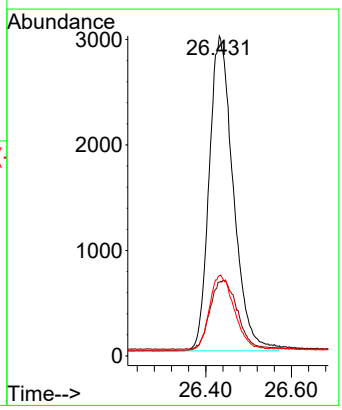


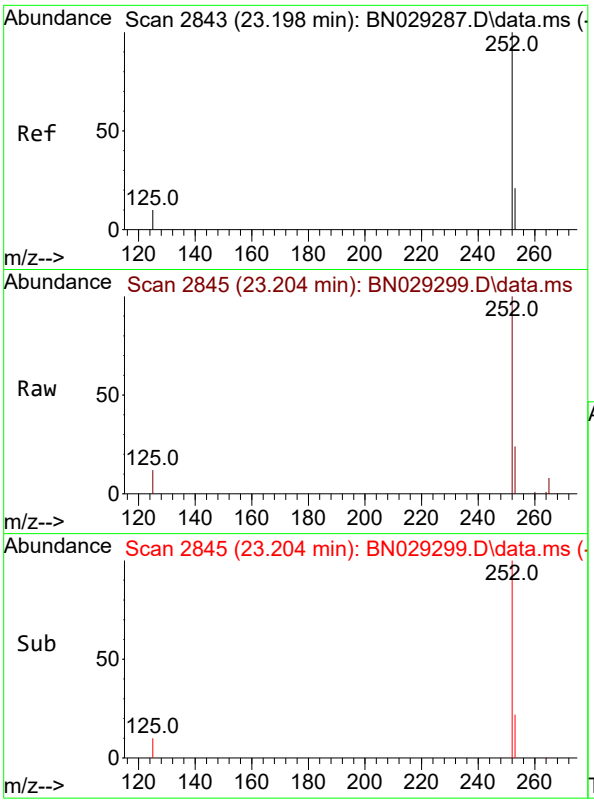


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.297 ng
RT: 26.431 min Scan# 3949
Delta R.T. 0.009 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:276 Resp: 11623

Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.4	29.0
277	24.9	20.1	30.1



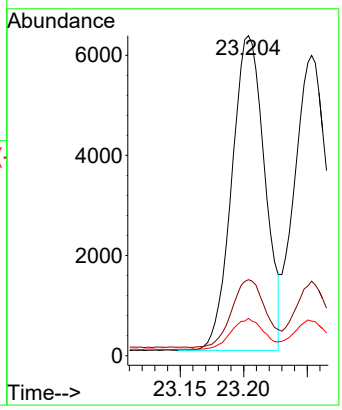


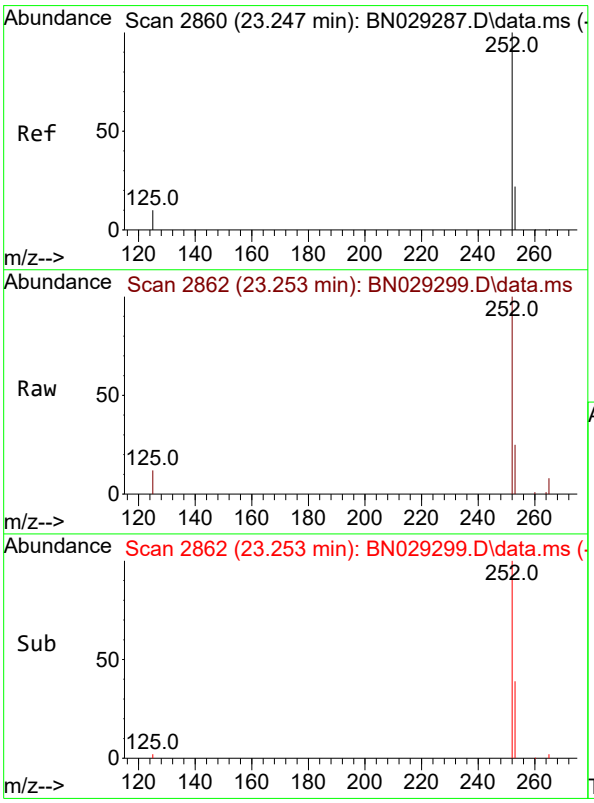
#37
Benzo(b)fluoranthene
Concen: 0.308 ng
RT: 23.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:252 Resp: 11329

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	11.7	8.3	12.5

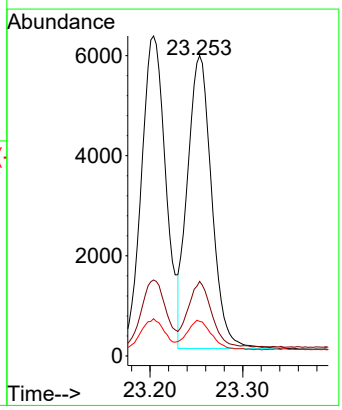


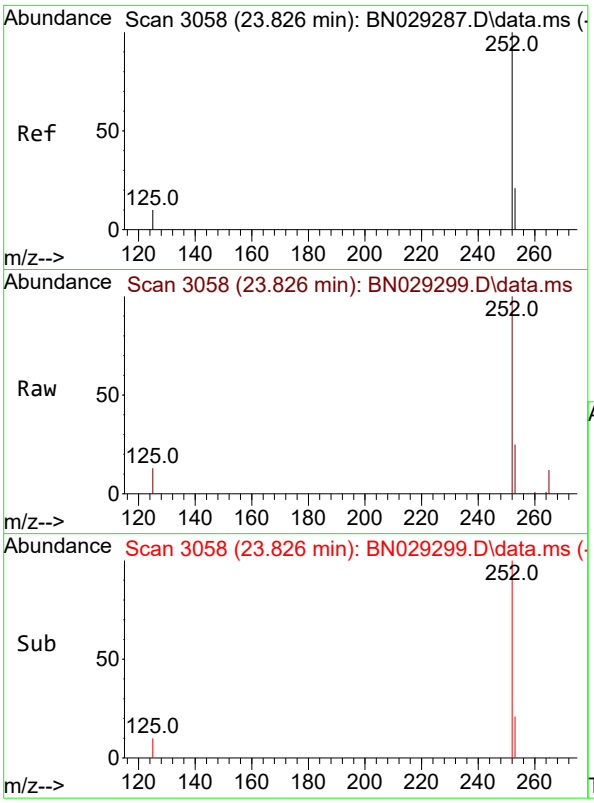


#38
Benzo(k)fluoranthene
Concen: 0.296 ng
RT: 23.253 min Scan# 2862
Delta R.T. 0.006 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:252 Resp: 10598

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	11.5	8.6	13.0



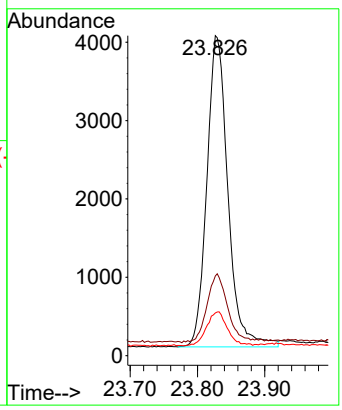


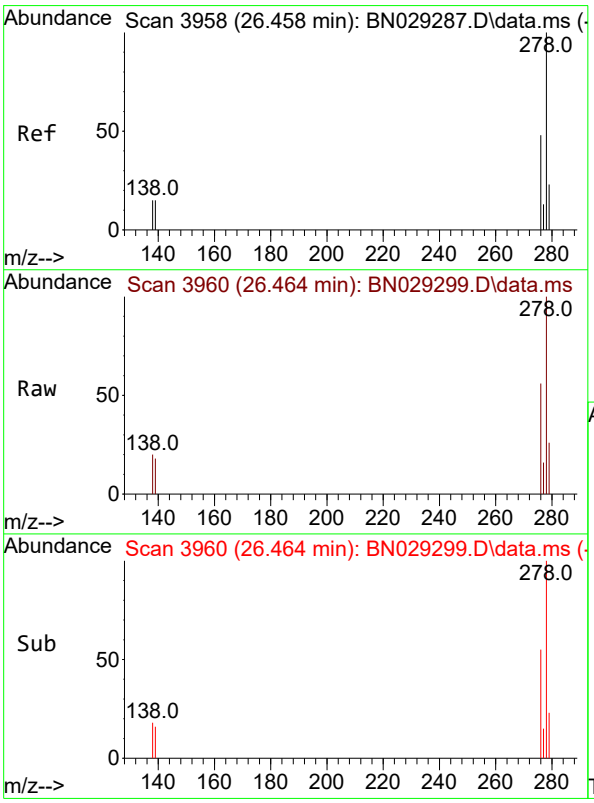
#39
Benzo(a)pyrene
Concen: 0.292 ng
RT: 23.826 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:252 Resp: 8655

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.7	28.1
125	13.3	9.4	14.2

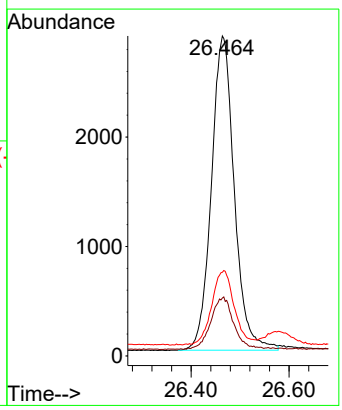


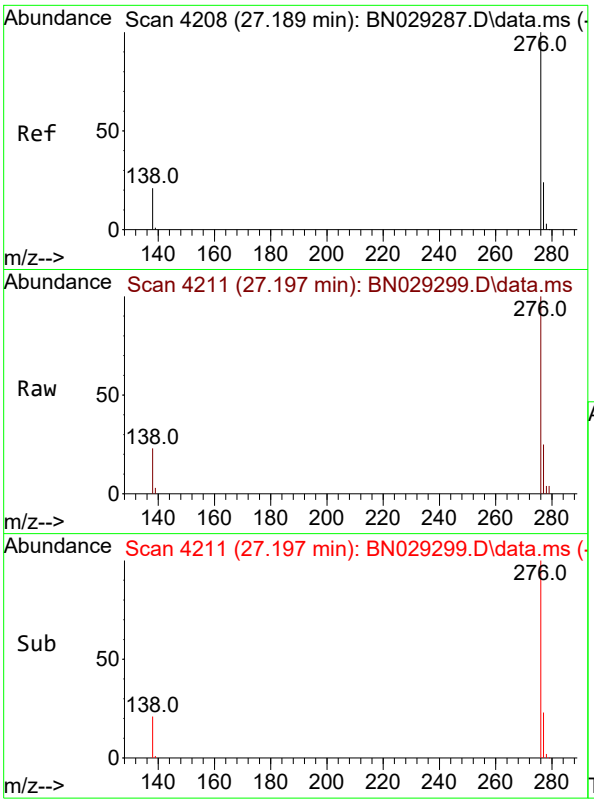


#40
Dibenzo(a,h)anthracene
Concen: 0.295 ng
RT: 26.464 min Scan# 3960
Delta R.T. 0.006 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Tgt Ion:278 Resp: 9321

Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.0	19.6
279	26.1	19.6	29.4





#41
Benzo(g,h,i)perylene
Concen: 0.300 ng
RT: 27.197 min Scan# 4
Delta R.T. 0.009 min
Lab File: BN029299.D
Acq: 19 Jan 2024 11:40

Instrument :
BNA_N
ClientSampleId :
PB158451BSD

Tgt Ion:276 Resp: 9981

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.2
138	22.5	17.2	25.8