Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028195.D
Acq On : 10 Oct 2023 13:48
Operator : MA/JU
Sample : PB155970BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Quant Time: Oct 10 14:19:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.922	152	3474	0.400	ng		0.00
7) Naphthalene-d8	10.735	136	10097	0.400	ng		0.00
13) Acenaphthene-d10	14.566	164	4682	0.400	ng		0.00
19) Phenanthrene-d10	17.331	188	9014	0.400	ng		0.01
29) Chrysene-d12	21.524	240	8663	0.400	ng		0.00
35) Perylene-d12	23.990	264	9981	0.400	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.466	112	4028	0.389	ng		0.00
5) Phenol-d6	7.091	99	4598	0.352	ng		0.00
8) Nitrobenzene-d5	9.123	82	3837	0.447	ng		0.00
11) 2-Methylnaphthalene-d10	12.324	152	7507	0.502	ng		0.00
14) 2,4,6-Tribromophenol	16.077	330	638	0.298	ng		0.00
15) 2-Fluorobiphenyl	13.197	172	7963	0.472	ng		0.01
27) Fluoranthene-d10	19.360	212	9990	0.441	ng		0.00
31) Terphenyl-d14	19.946	244	8797	0.435	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.350	88	1575	0.404	ng	#	65
3) n-Nitrosodimethylamine	3.704	42	2043	0.458	ng		98
6) bis(2-Chloroethyl)ether	7.366	93	4332	0.411	ng		94
9) Naphthalene	10.789	128	11704	0.449	ng		100
10) Hexachlorobutadiene	11.002	225	2104	0.454	ng	#	100
12) 2-Methylnaphthalene	12.404	142	6864	0.376	ng		98
16) Acenaphthylene	14.298	152	10495	0.506	ng		98
17) Acenaphthene	14.630	154	5989	0.453	ng		99
18) Fluorene	15.618	166	7474	0.435	ng		98
20) 4,6-Dinitro-2-methylph...	16.797	198	46	0.384	ng	#	75
21) 4-Bromophenyl-phenylether	16.512	248	1898	0.404	ng	#	81
22) Hexachlorobenzene	16.599	284	2278	0.462	ng		99
23) Atrazine	16.797	200	1586	0.386	ng		96
24) Pentachlorophenol	16.971	266	7391	3.182	ng		94
25) Phenanthrene	17.368	178	11222	0.462	ng		99
26) Anthracene	17.468	178	9697	0.422	ng		98
28) Fluoranthene	19.393	202	13704	0.489	ng		99
30) Pyrene	19.755	202	13960	0.439	ng		99
32) Benzo(a)anthracene	21.506	228	13541	0.459	ng		99
33) Chrysene	21.560	228	13844	0.487	ng		99
34) Bis(2-ethylhexyl)phtha...	21.372	149	6954	0.359	ng		99
36) Indeno(1,2,3-cd)pyrene	26.580	276	17088	0.509	ng		99
37) Benzo(b)fluoranthene	23.224	252	13970	0.433	ng		97
38) Benzo(k)fluoranthene	23.276	252	13700	0.419	ng		97
39) Benzo(a)pyrene	23.882	252	12678	0.416	ng		96
40) Dibenzo(a,h)anthracene	26.595	278	14188	0.517	ng		99
41) Benzo(g,h,i)perylene	27.387	276	14339	0.509	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028195.D
Acq On : 10 Oct 2023 13:48
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
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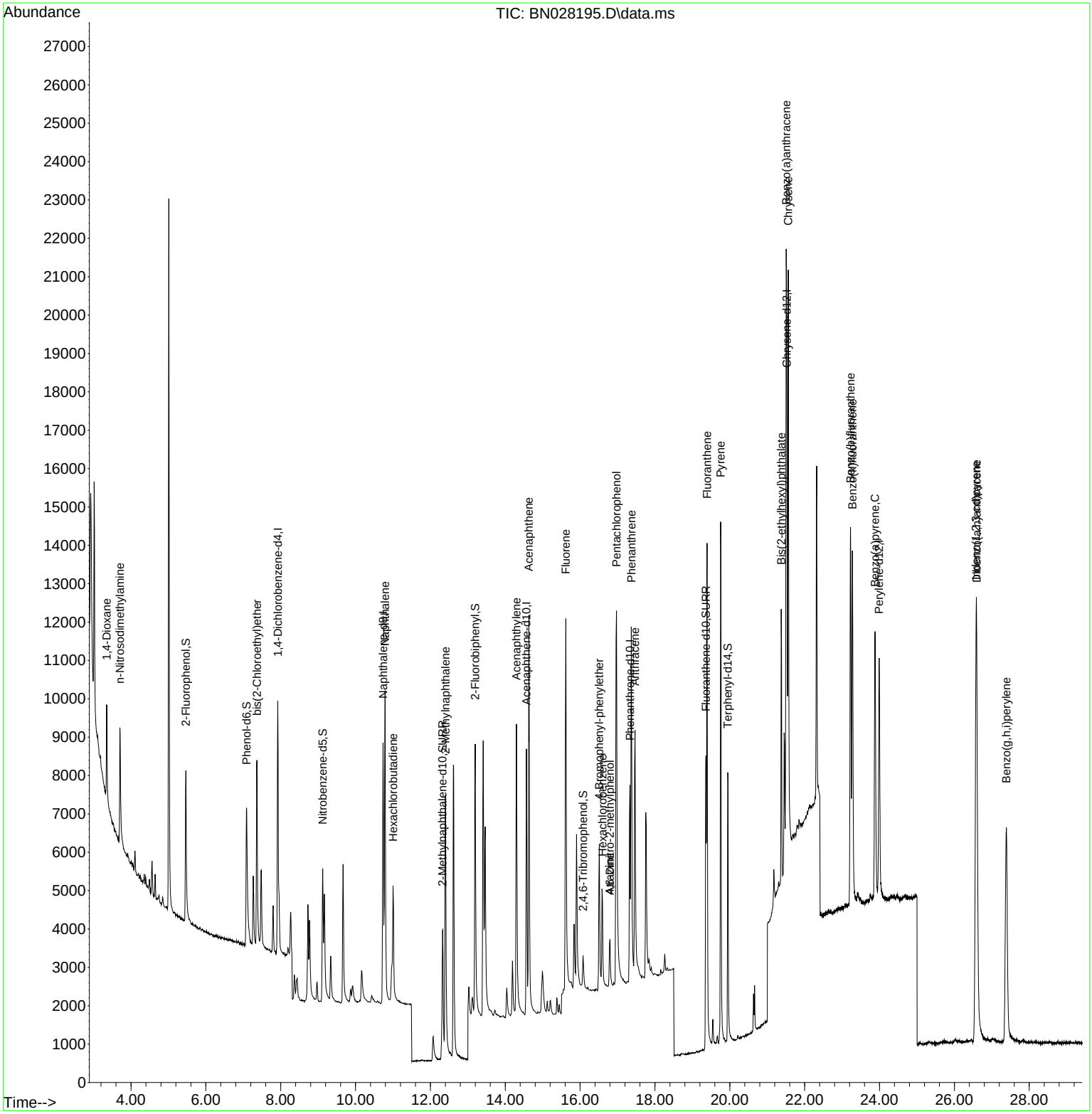
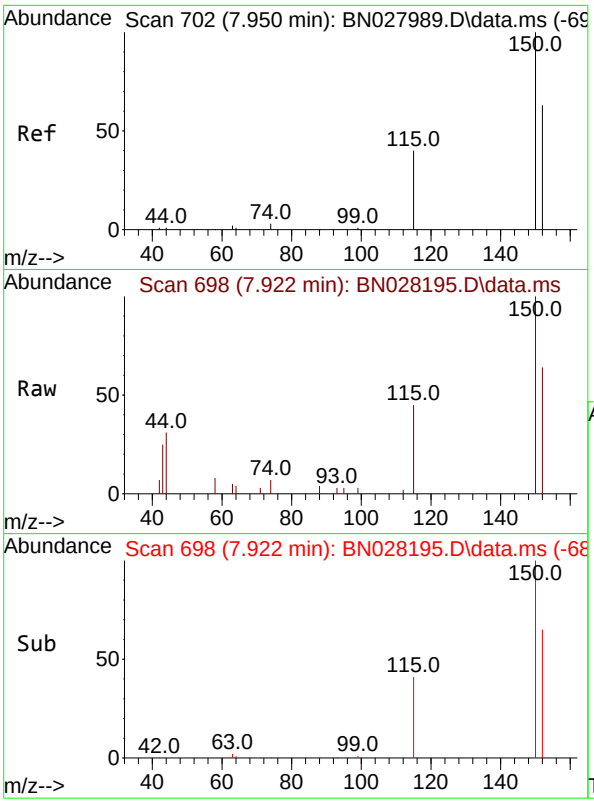
Quant Time: Oct 10 14:19:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
Response via : Initial Calibration



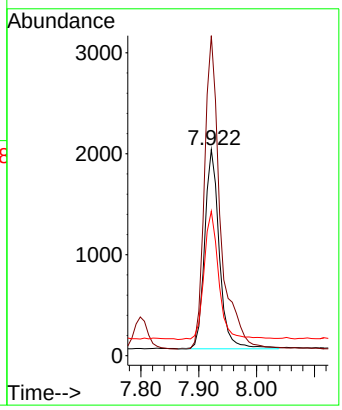


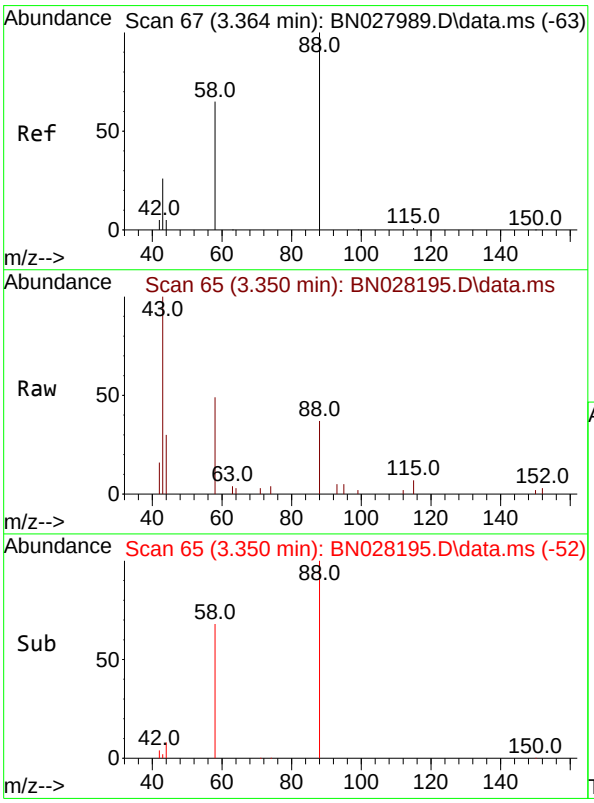
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:152 Resp: 3474

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.6	188.4
115	70.1	54.8	82.2

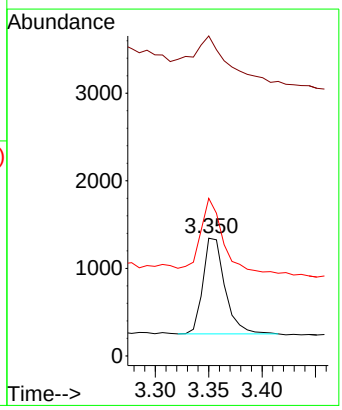


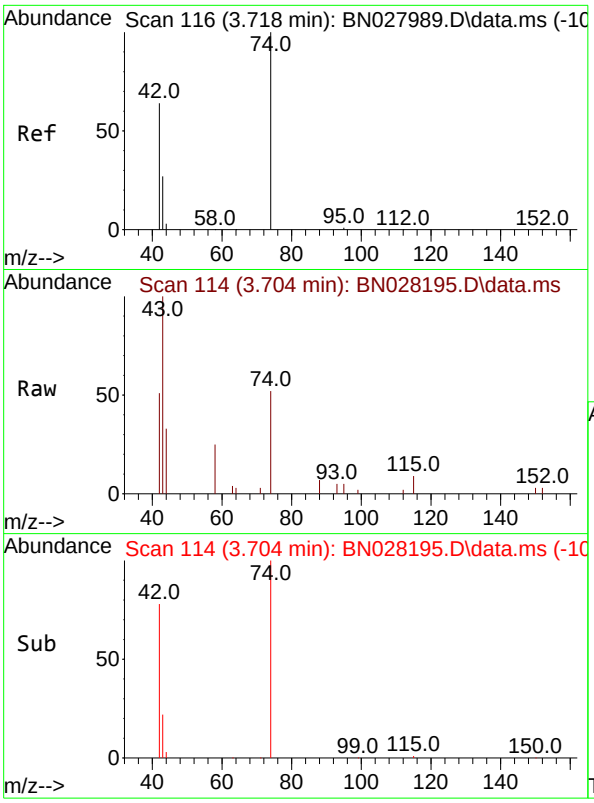


#2
1,4-Dioxane
Concen: 0.404 ng
RT: 3.350 min Scan# 65
Delta R.T. -0.007 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion: 88 Resp: 1575

Ion	Ratio	Lower	Upper
88	100		
43	73.5	24.6	36.8#
58	80.1	53.8	80.6



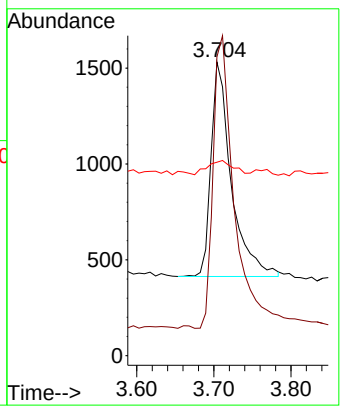


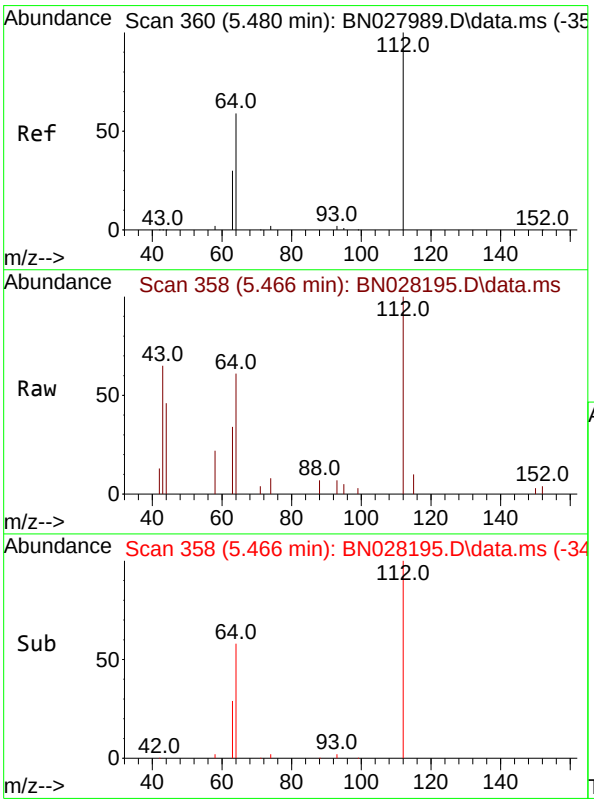
#3
n-Nitrosodimethylamine
Concen: 0.458 ng
RT: 3.704 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion: 42 Resp: 2043

Ion	Ratio	Lower	Upper
42	100		
74	142.2	115.9	173.9
44	8.7	8.0	12.0

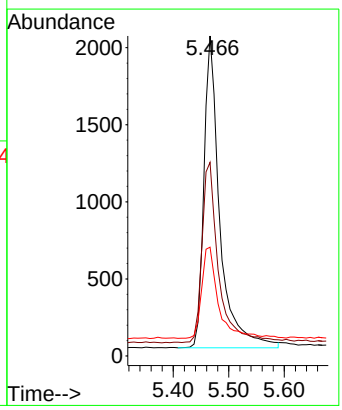


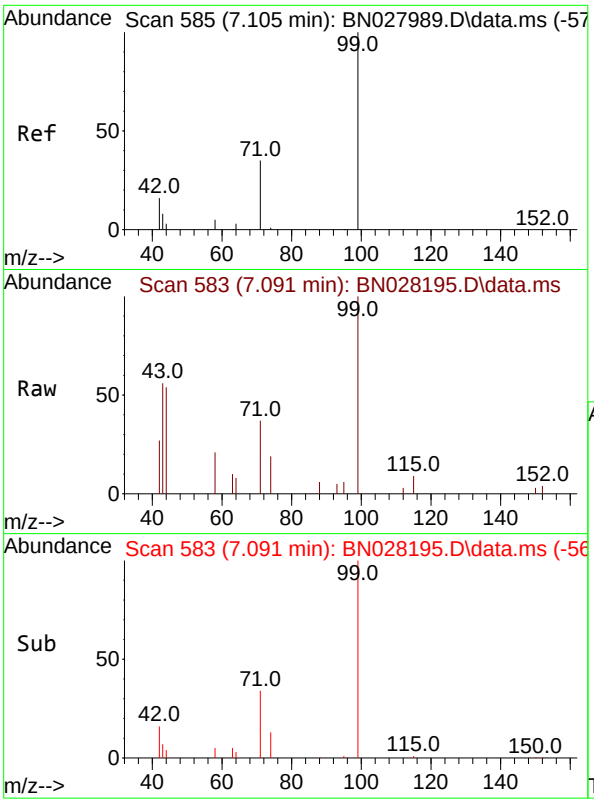


#4
2-Fluorophenol
Concen: 0.389 ng
RT: 5.466 min Scan# 358
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:112 Resp: 4028

Ion	Ratio	Lower	Upper
112	100		
64	60.0	45.0	67.6
63	30.4	23.4	35.0



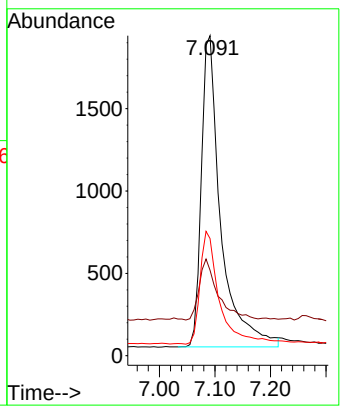


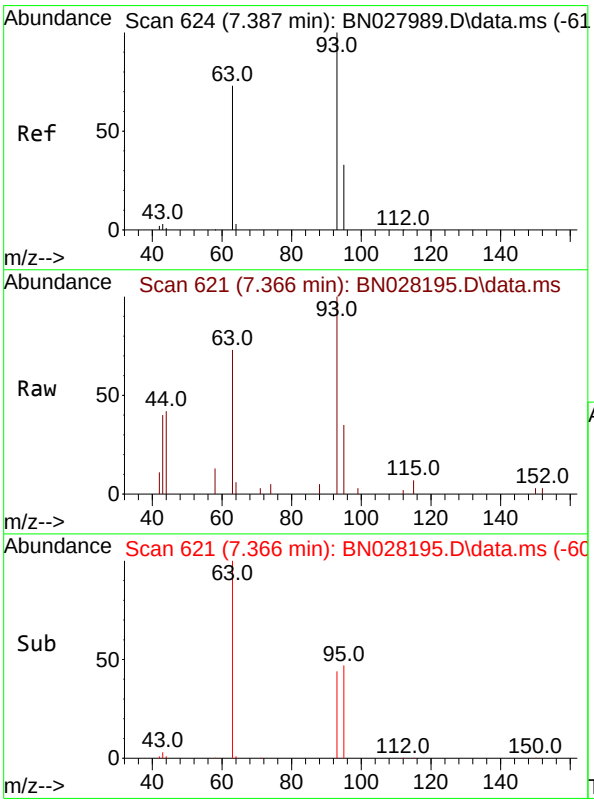
#5
Phenol-d6
Concen: 0.352 ng
RT: 7.091 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion: 99 Resp: 4598

Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.6	22.0
71	36.0	28.3	42.5

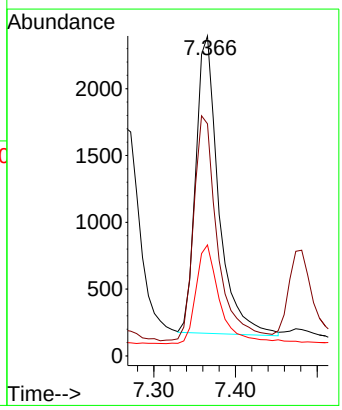


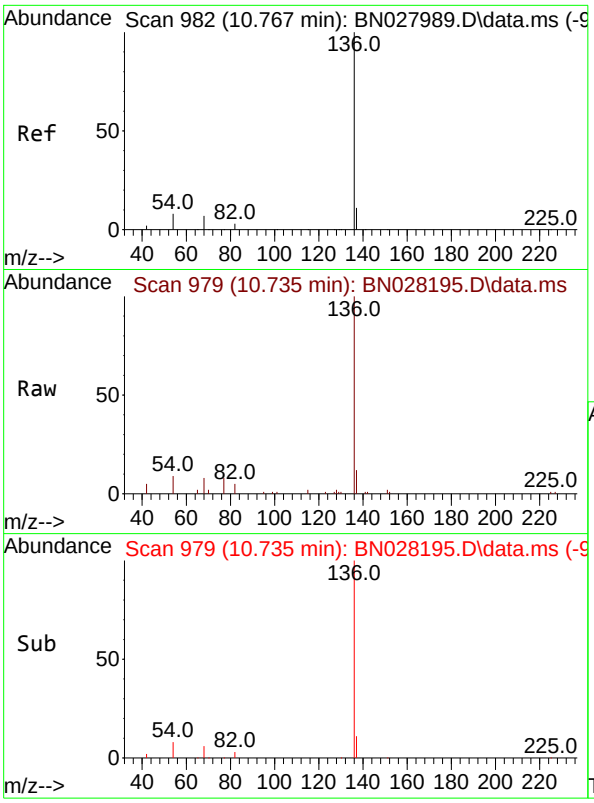


#6
bis(2-Chloroethyl)ether
Concen: 0.411 ng
RT: 7.366 min Scan# 621
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion: 93 Resp: 4332

Ion	Ratio	Lower	Upper
93	100		
63	79.3	58.8	88.2
95	35.6	26.6	39.8



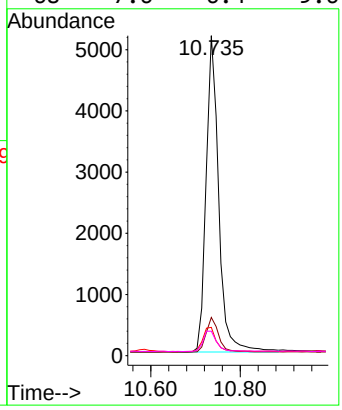


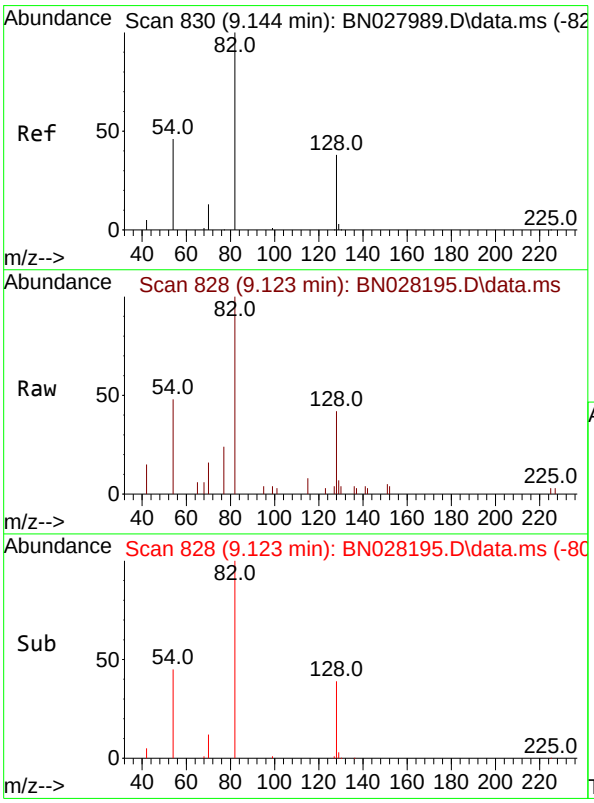
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:136 Resp: 10097

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.4	14.0
54	8.9	7.0	10.6
68	7.6	6.4	9.6

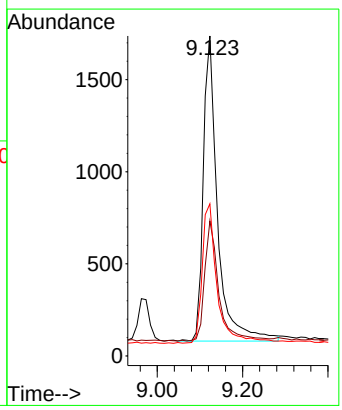


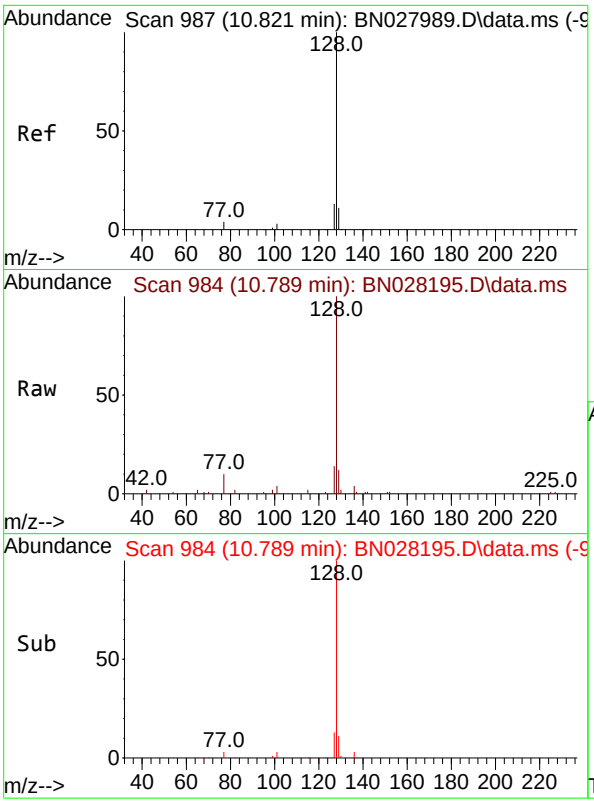


#8
Nitrobenzene-d5
Concen: 0.447 ng
RT: 9.123 min Scan# 828
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion: 82 Resp: 3837

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.7	49.1
54	47.6	38.7	58.1



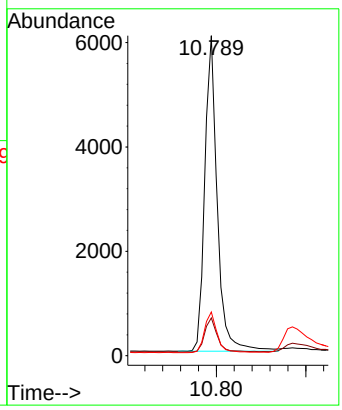


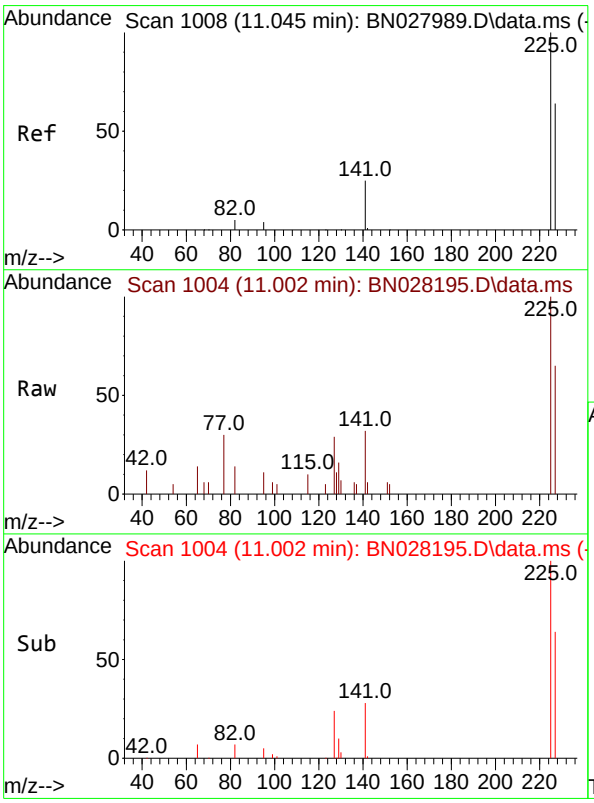
#9
Naphthalene
Concen: 0.449 ng
RT: 10.789 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:128 Resp: 11704

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.2
127	13.6	10.9	16.3

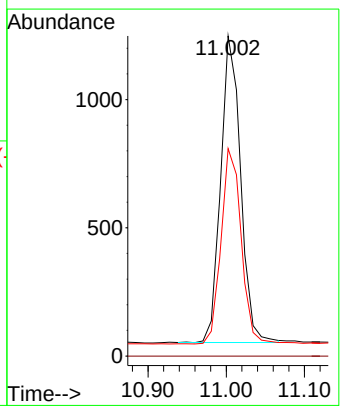


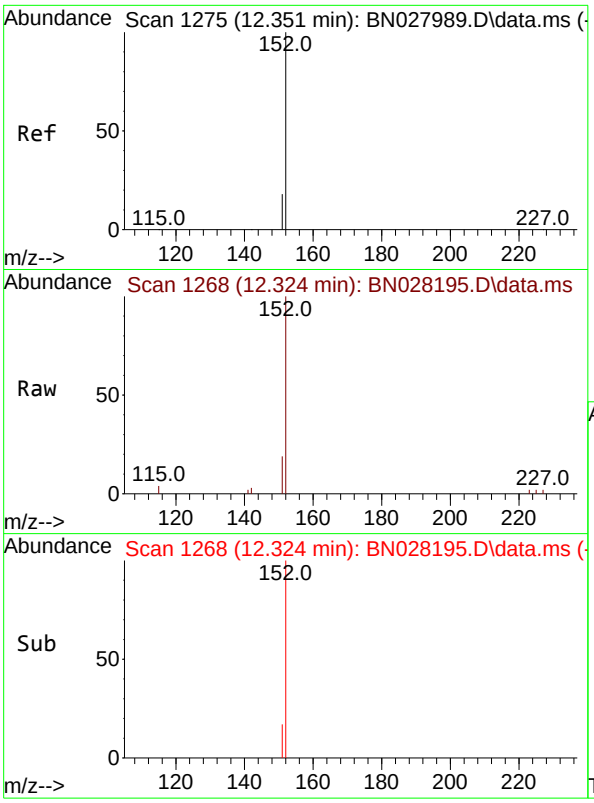


#10
Hexachlorobutadiene
Concen: 0.454 ng
RT: 11.002 min Scan# 1004
Delta R.T. -0.011 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:225 Resp: 2104

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.3	76.9



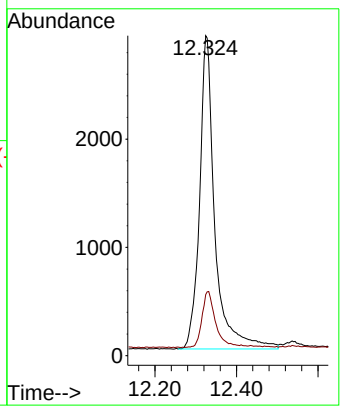


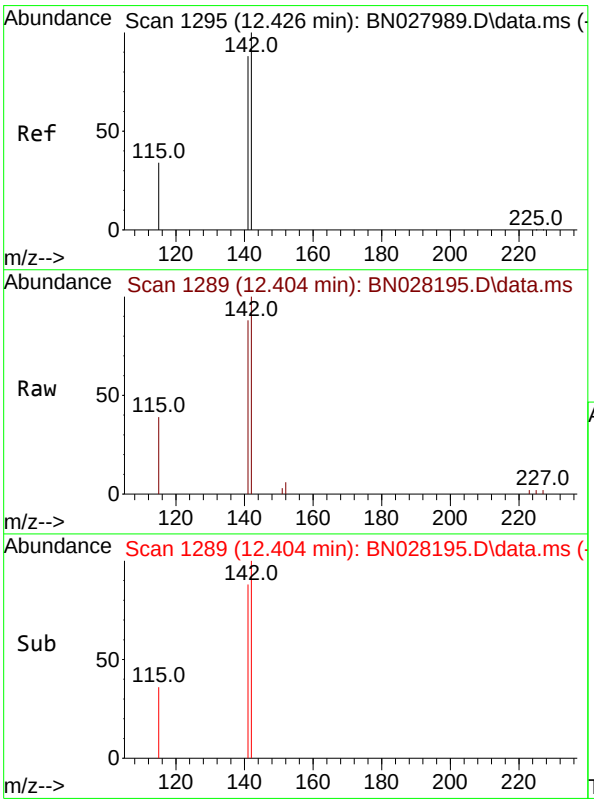
#11
2-Methylnaphthalene-d10
Concen: 0.502 ng
RT: 12.324 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:152 Resp: 7507

Ion	Ratio	Lower	Upper
152	100		
151	15.9	16.5	24.7#

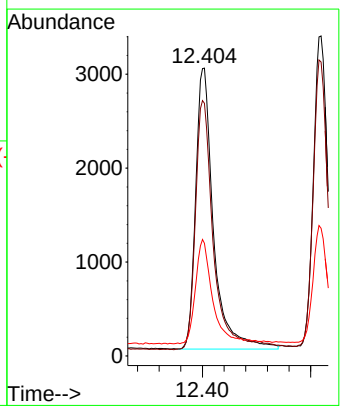


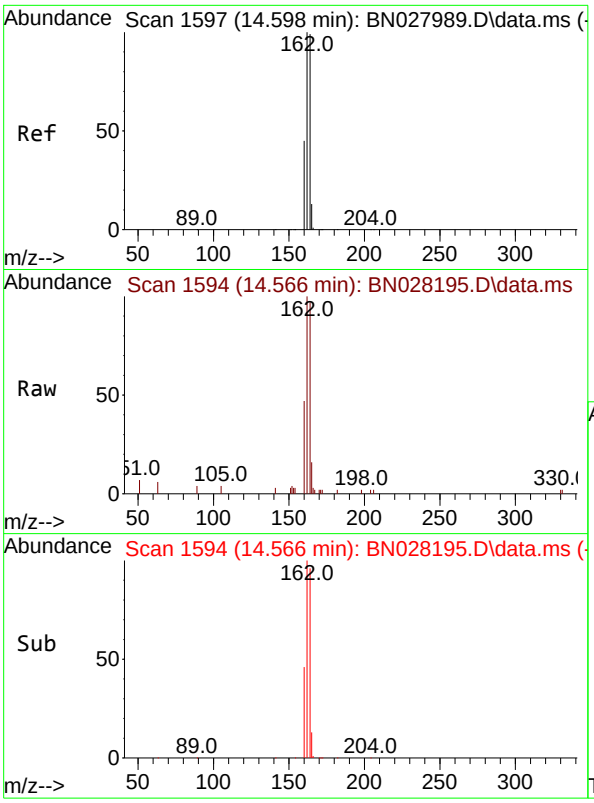


#12
2-Methylnaphthalene
Concen: 0.376 ng
RT: 12.404 min Scan# 1289
Delta R.T. 0.004 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:142 Resp: 6864

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.7	106.1
115	39.1	28.6	42.8



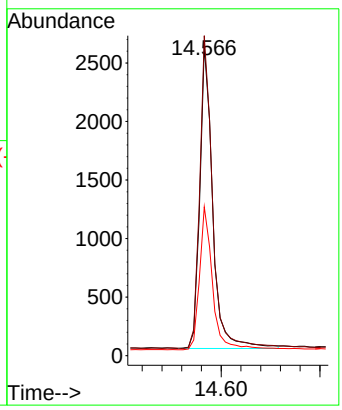


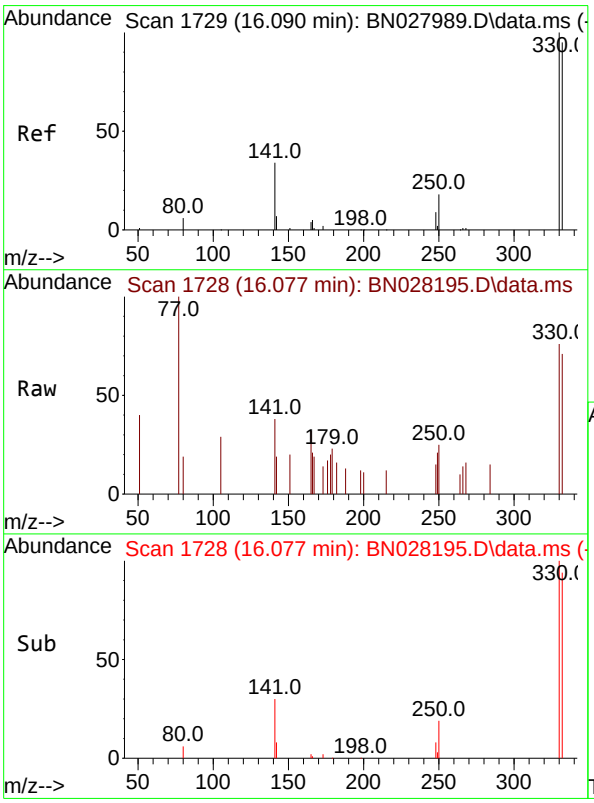
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:164 Resp: 4682

Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.8	121.2
160	48.1	36.4	54.6

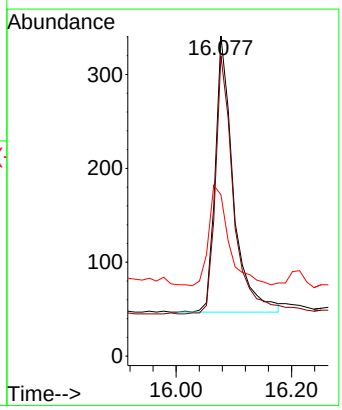


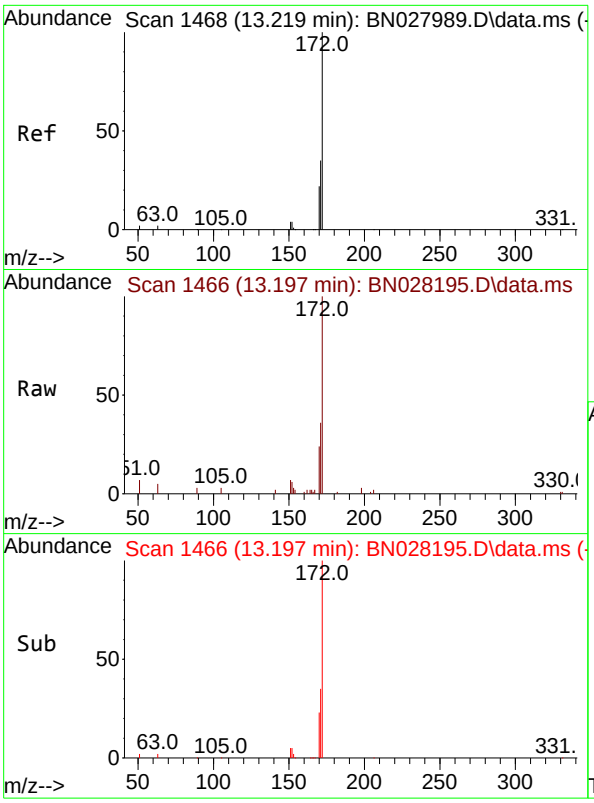


#14
2,4,6-Tribromophenol
Concen: 0.298 ng
RT: 16.077 min Scan# 1728
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:330 Resp: 638

Ion	Ratio	Lower	Upper
330	100		
332	94.2	78.1	117.1
141	40.4	33.4	50.2



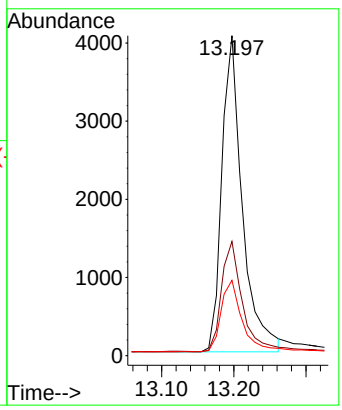


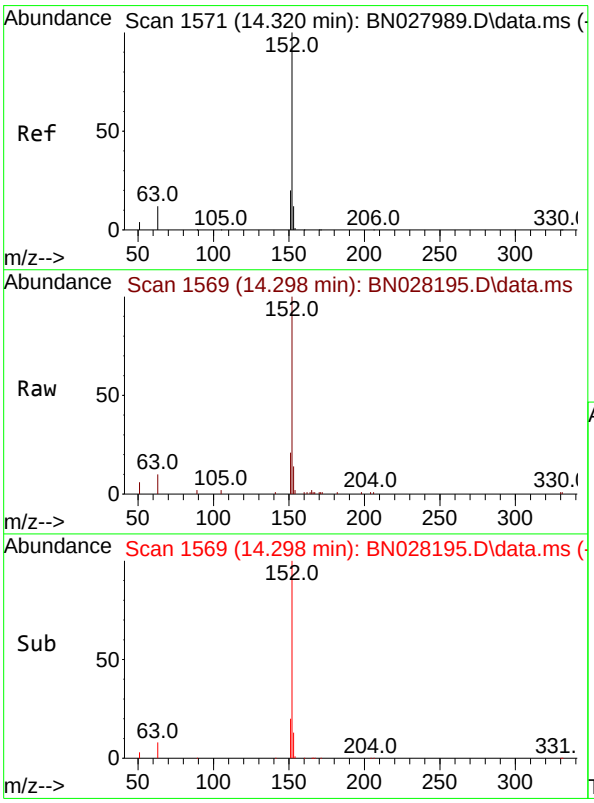
#15
2-Fluorobiphenyl
Concen: 0.472 ng
RT: 13.197 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:172 Resp: 7963

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.1	42.1
170	23.5	18.4	27.6

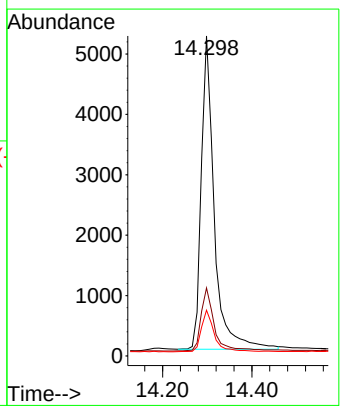


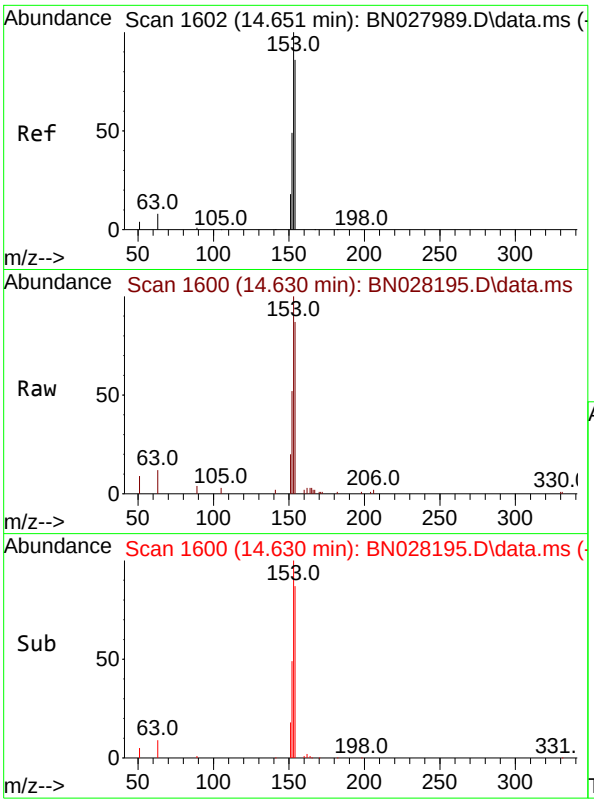


#16
Acenaphthylene
Concen: 0.506 ng
RT: 14.298 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:152 Resp: 10495

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.6
153	13.2	10.2	15.4



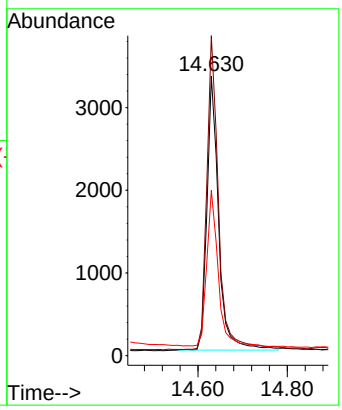


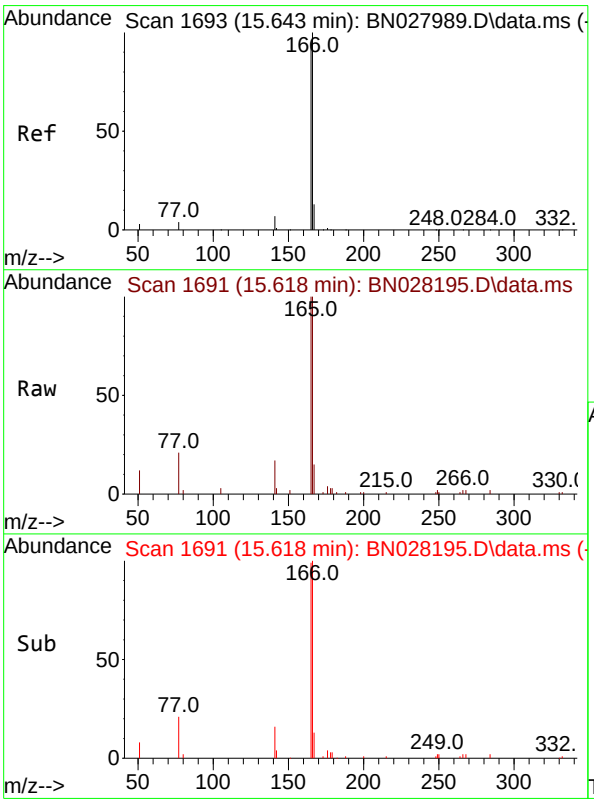
#17
Acenaphthene
Concen: 0.453 ng
RT: 14.630 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:154 Resp: 5989

Ion	Ratio	Lower	Upper
154	100		
153	114.6	90.8	136.2
152	55.8	43.9	65.9

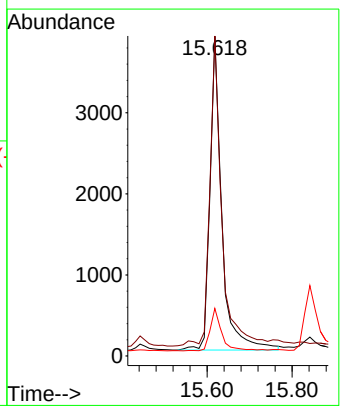


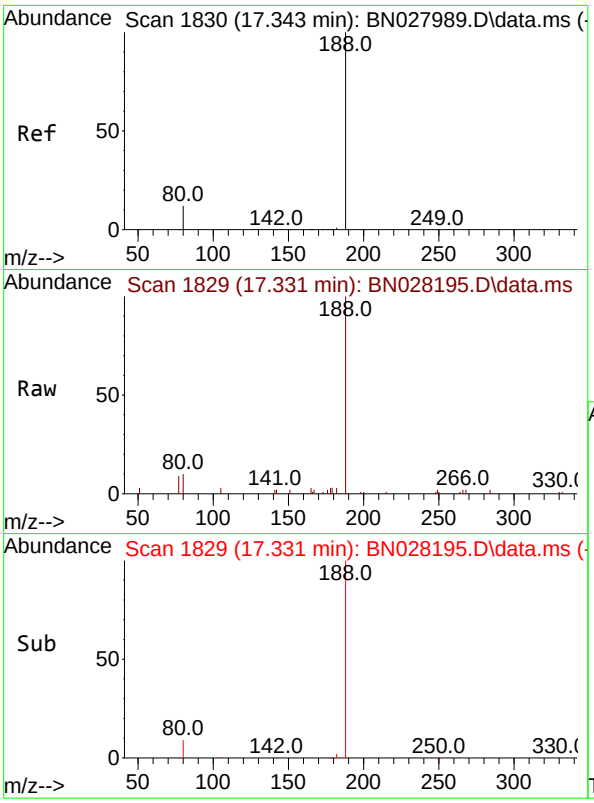


#18
Fluorene
Concen: 0.435 ng
RT: 15.618 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:166 Resp: 7474

Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.8	116.8
167	13.4	10.7	16.1



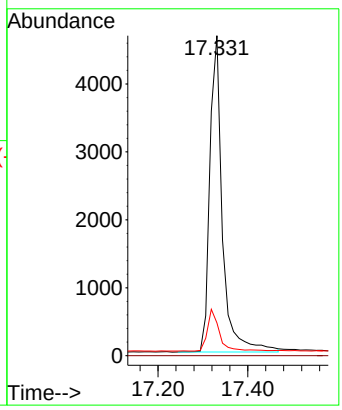


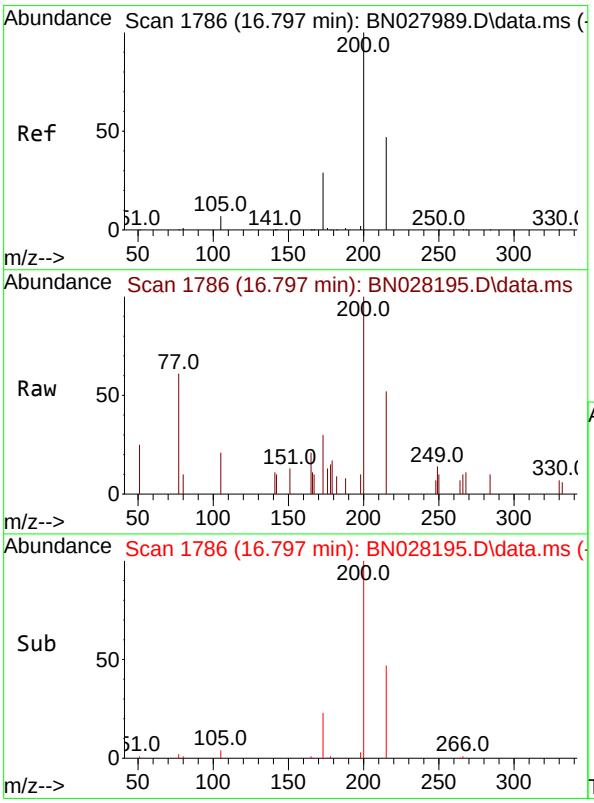
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.331 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:188 Resp: 9014

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	10.2	15.4

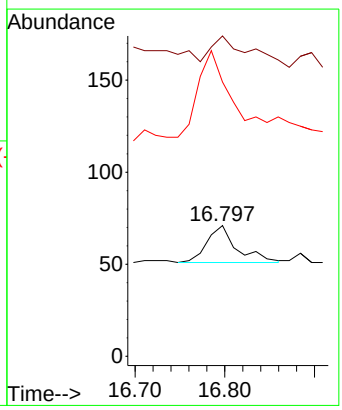


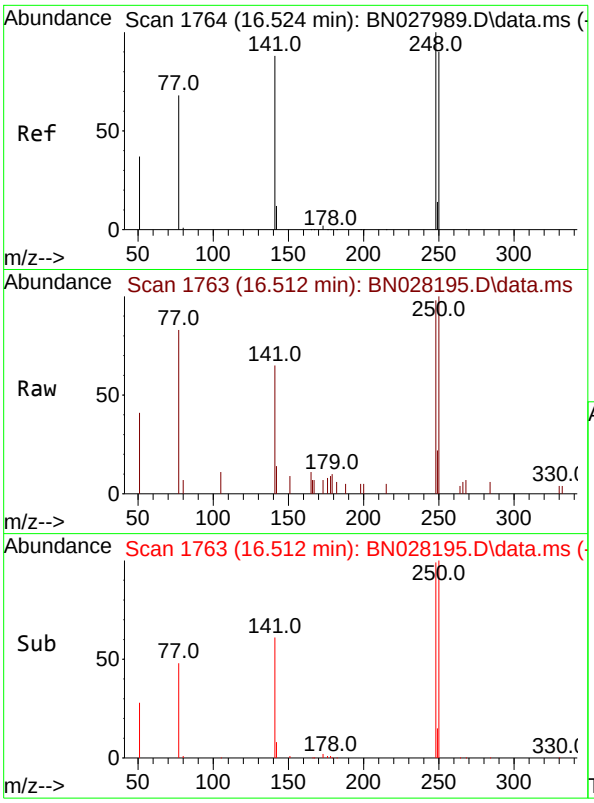


#20
4,6-Dinitro-2-methylphenol
Concen: 0.384 ng
RT: 16.797 min Scan# 1786
Delta R.T. 0.012 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:198 Resp: 46

Ion	Ratio	Lower	Upper
198	100		
51	245.1	180.7	271.1
105	209.9	222.2	333.2#



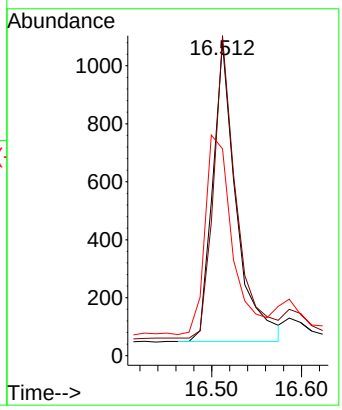


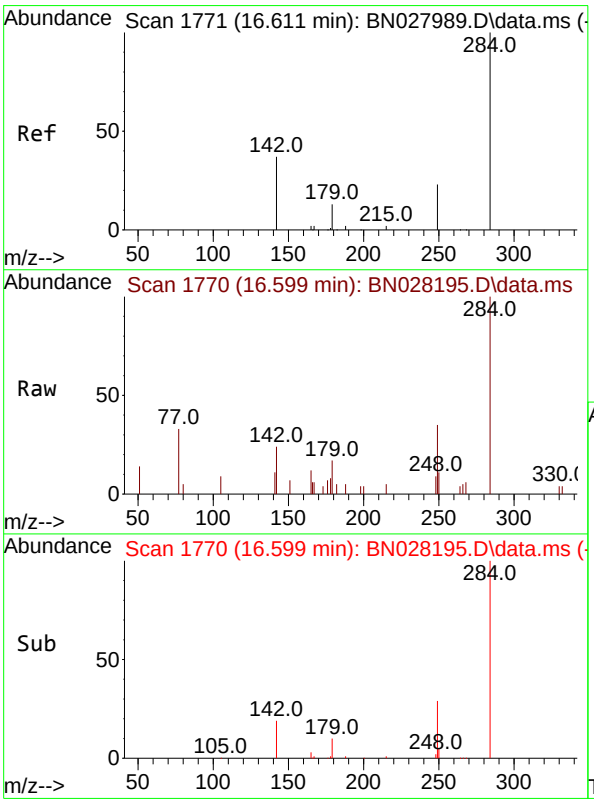
#21
4-Bromophenyl-phenylether
Concen: 0.404 ng
RT: 16.512 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:248 Resp: 1898

Ion	Ratio	Lower	Upper
248	100		
250	102.2	72.3	108.5
141	66.1	71.8	107.6#

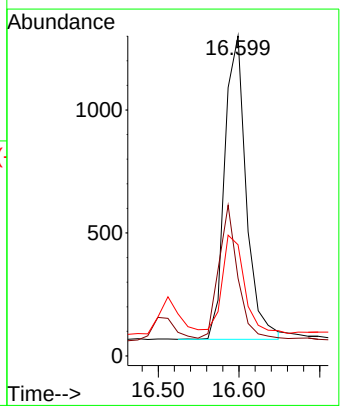


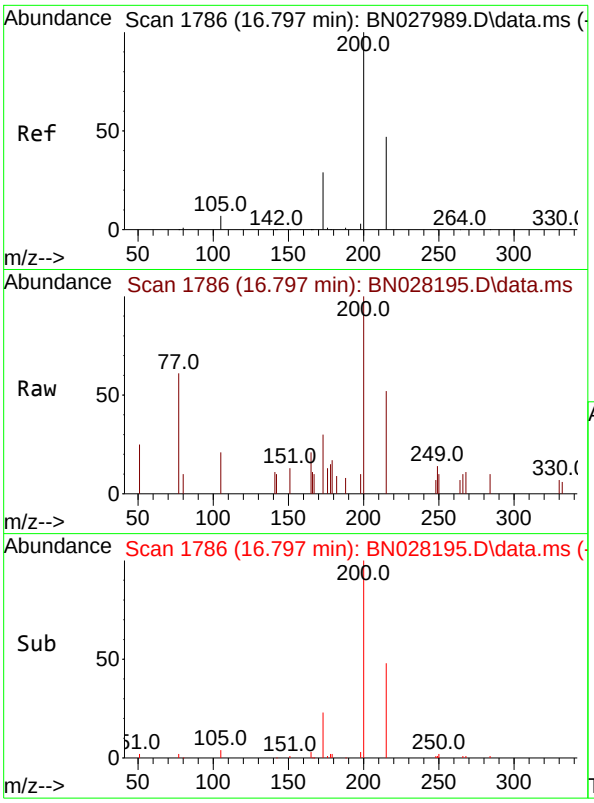


#22
Hexachlorobenzene
Concen: 0.462 ng
RT: 16.599 min Scan# 1770
Delta R.T. 0.012 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:284 Resp: 2278

Ion	Ratio	Lower	Upper
284	100		
142	38.3	29.9	44.9
249	30.8	25.0	37.4



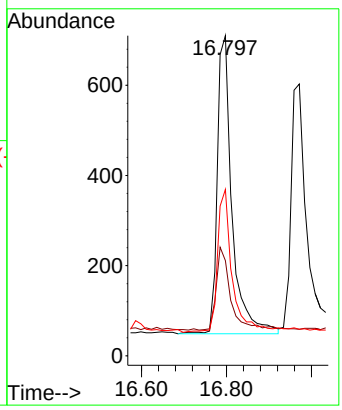


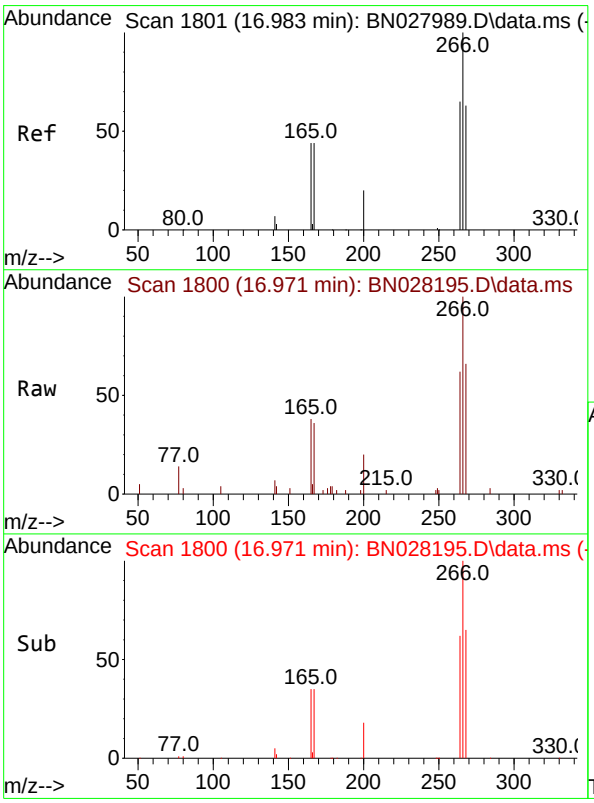
#23
Atrazine
Concen: 0.386 ng
RT: 16.797 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:200 Resp: 1586

Ion	Ratio	Lower	Upper
200	100		
173	29.7	24.7	37.1
215	52.0	39.0	58.6

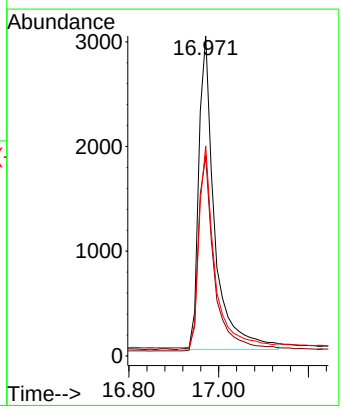


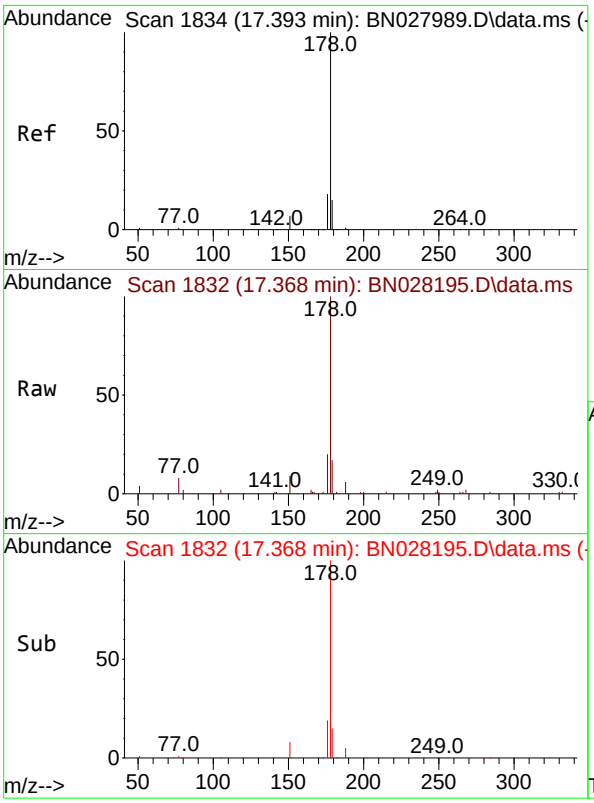


#24
Pentachlorophenol
Concen: 3.182 ng
RT: 16.971 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:266 Resp: 7391

Ion	Ratio	Lower	Upper
266	100		
264	62.9	52.7	79.1
268	63.1	56.2	84.2



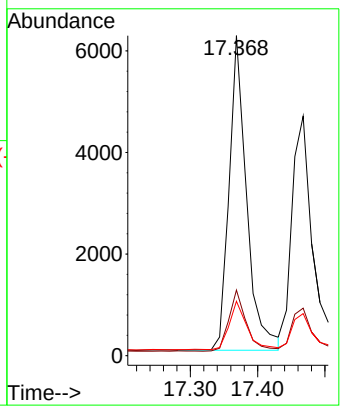


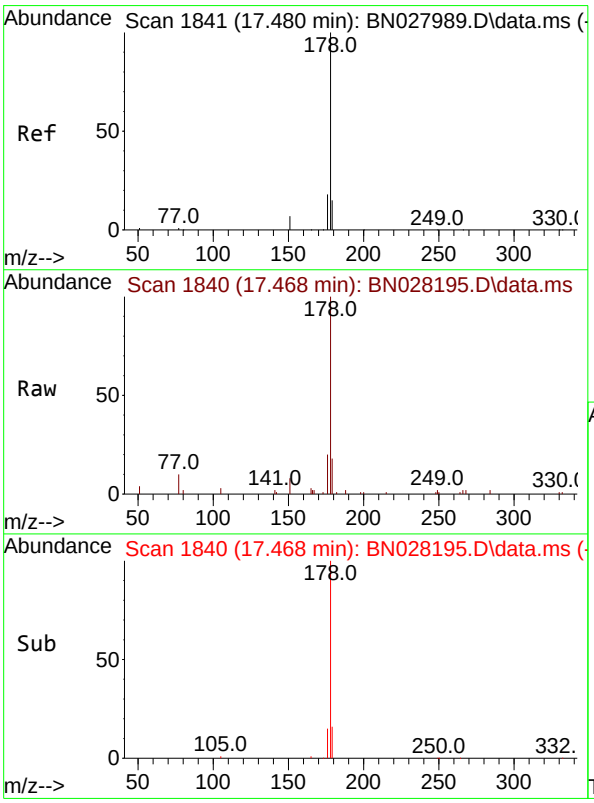
#25
Phenanthrene
Concen: 0.462 ng
RT: 17.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:178 Resp: 11222

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.8	12.4	18.6

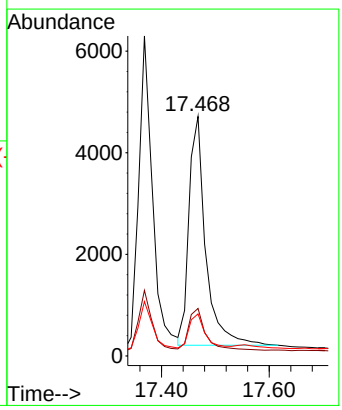


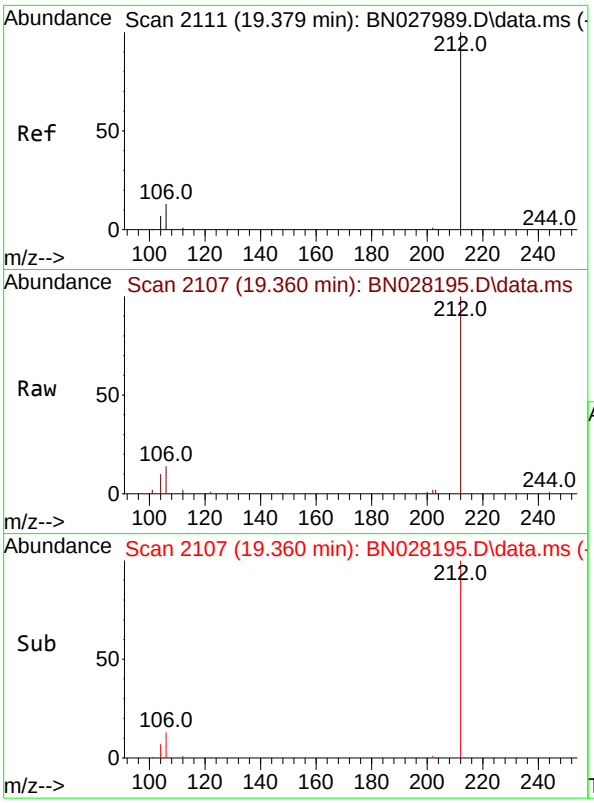


#26
Anthracene
Concen: 0.422 ng
RT: 17.468 min Scan# 1840
Delta R.T. 0.012 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:178 Resp: 9697

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	14.0	12.2	18.2



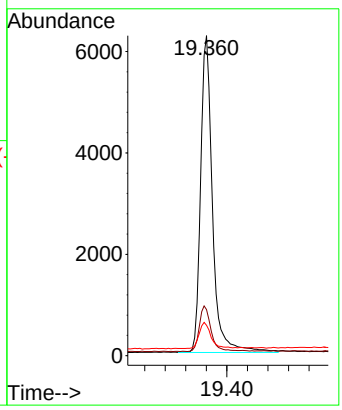


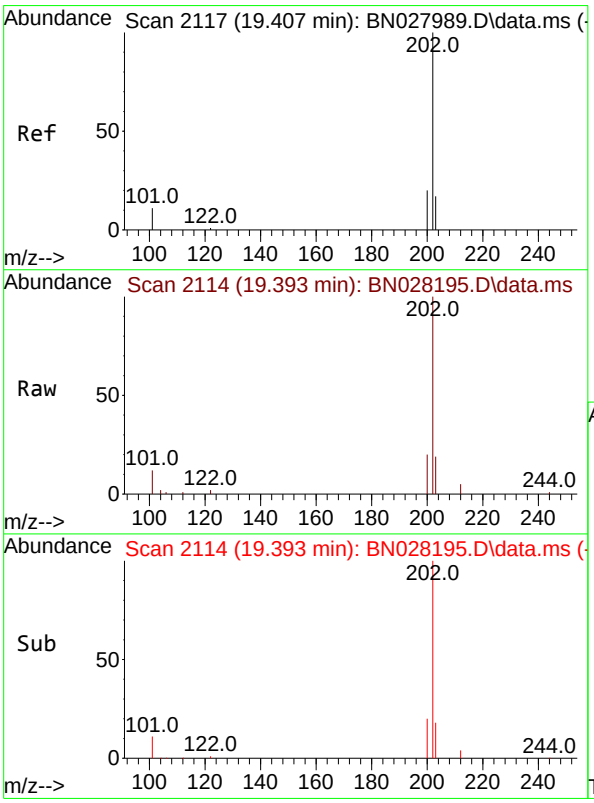
#27
Fluoranthene-d10
Concen: 0.441 ng
RT: 19.360 min Scan# 21
Delta R.T. 0.005 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:212 Resp: 9990

Ion	Ratio	Lower	Upper
212	100		
106	14.1	11.3	16.9
104	8.3	6.4	9.6

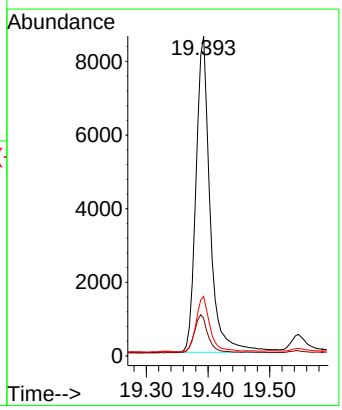


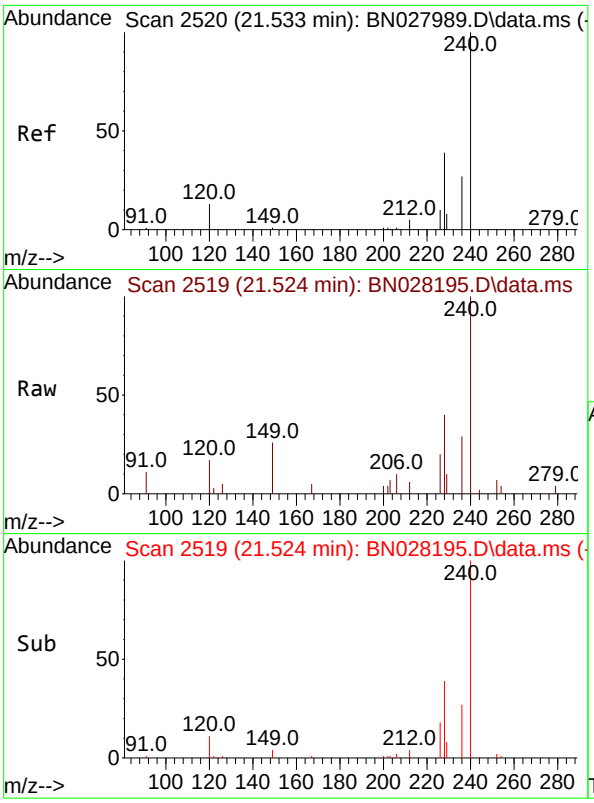


#28
Fluoranthene
Concen: 0.489 ng
RT: 19.393 min Scan# 2114
Delta R.T. 0.009 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:202 Resp: 13704

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.8	14.6
203	17.4	13.8	20.8



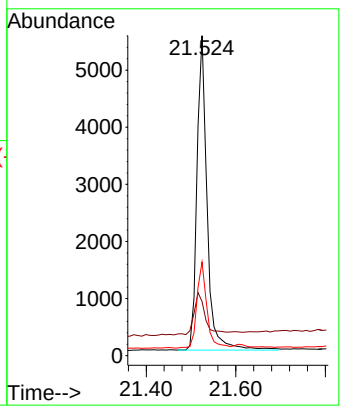


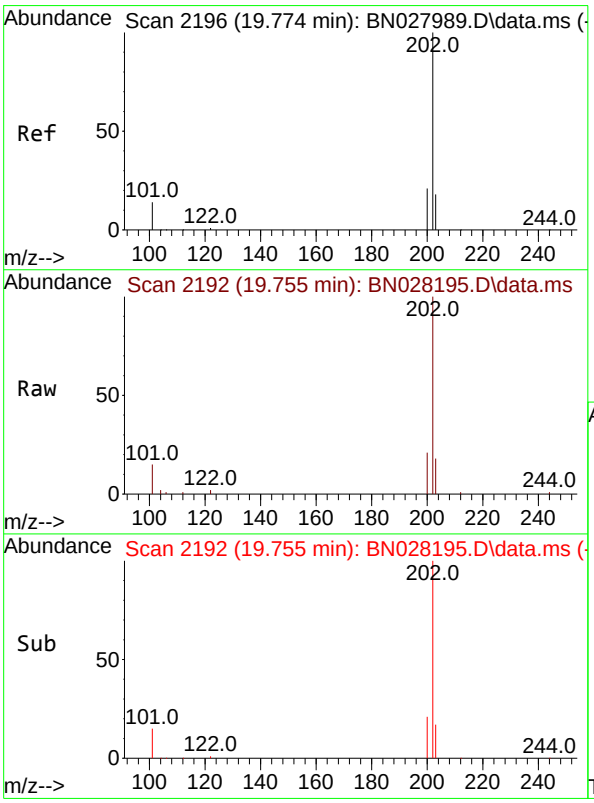
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.524 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:240 Resp: 8663

Ion	Ratio	Lower	Upper
240	100		
120	17.0	13.8	20.6
236	29.2	22.6	33.8

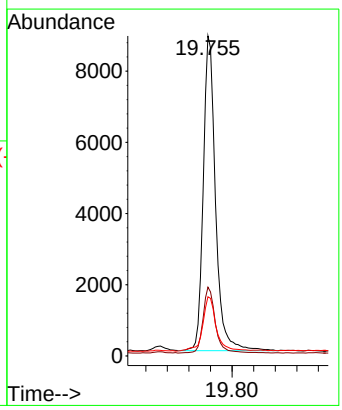


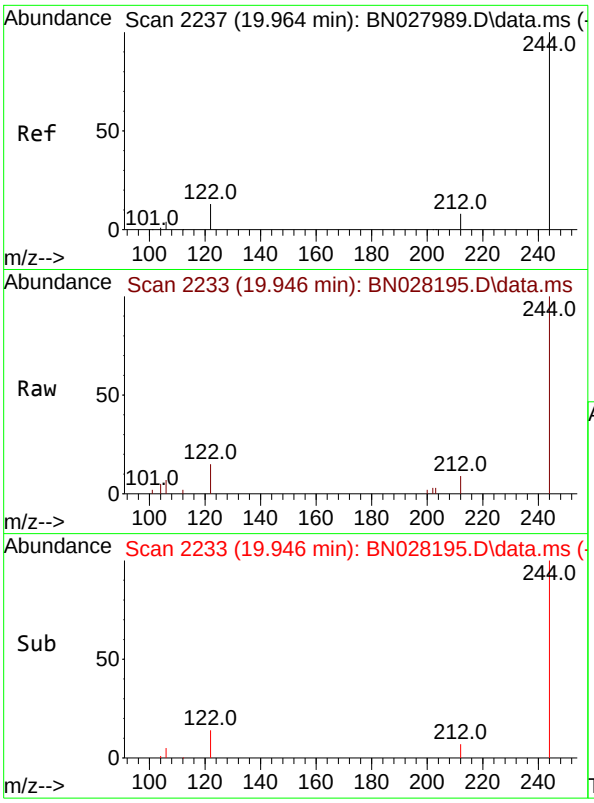


#30
Pyrene
Concen: 0.439 ng
RT: 19.755 min Scan# 2192
Delta R.T. 0.005 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:202 Resp: 13960

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	19.0	14.7	22.1



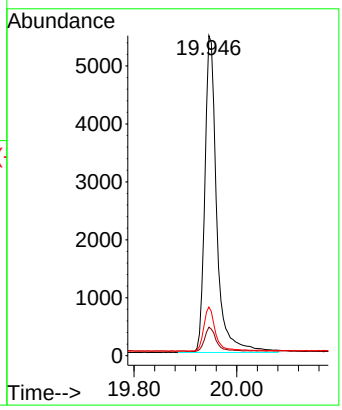


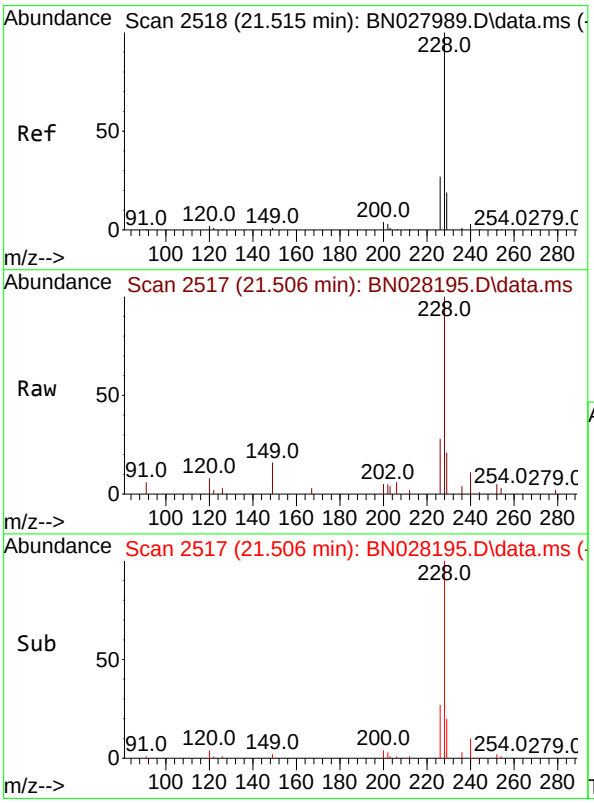
#31
Terphenyl-d14
Concen: 0.435 ng
RT: 19.946 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:244 Resp: 8797

Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.6	9.8
122	15.2	11.4	17.0

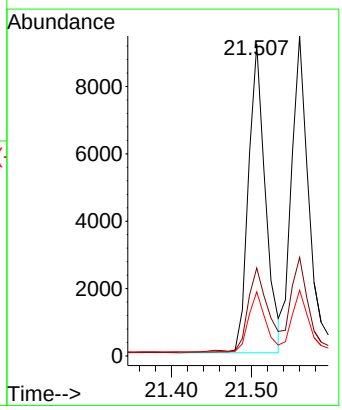


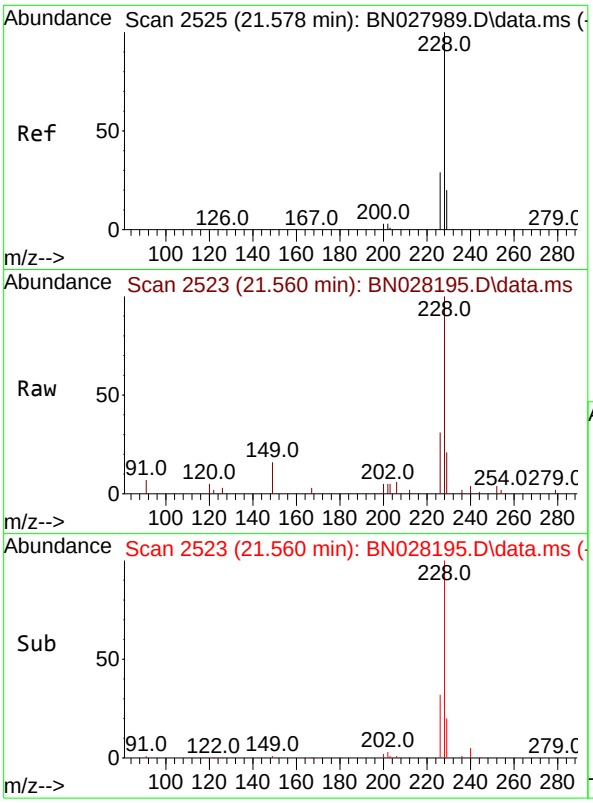


#32
Benzo(a)anthracene
Concen: 0.459 ng
RT: 21.506 min Scan# 2517
Delta R.T. 0.009 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:228 Resp: 13541

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.0	33.0
229	20.6	16.0	24.0



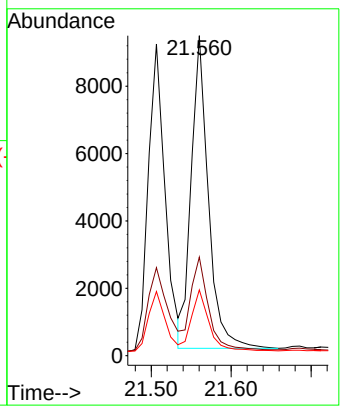


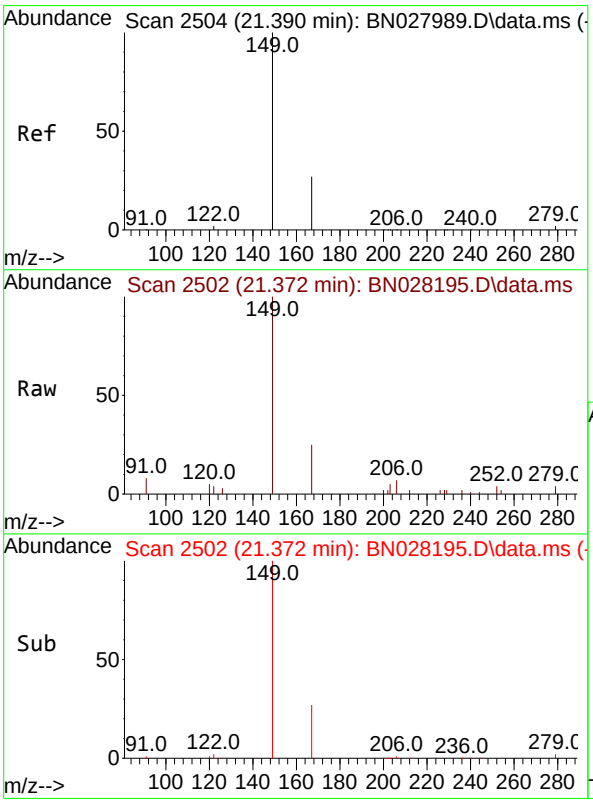
#33
Chrysene
Concen: 0.487 ng
RT: 21.560 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:228 Resp: 13844

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.8
229	20.5	16.6	25.0

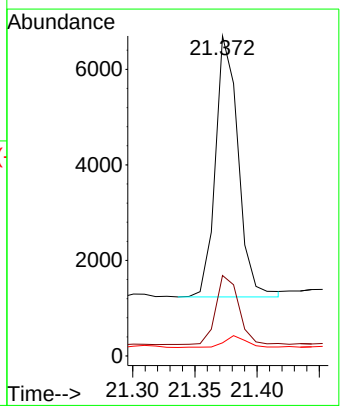


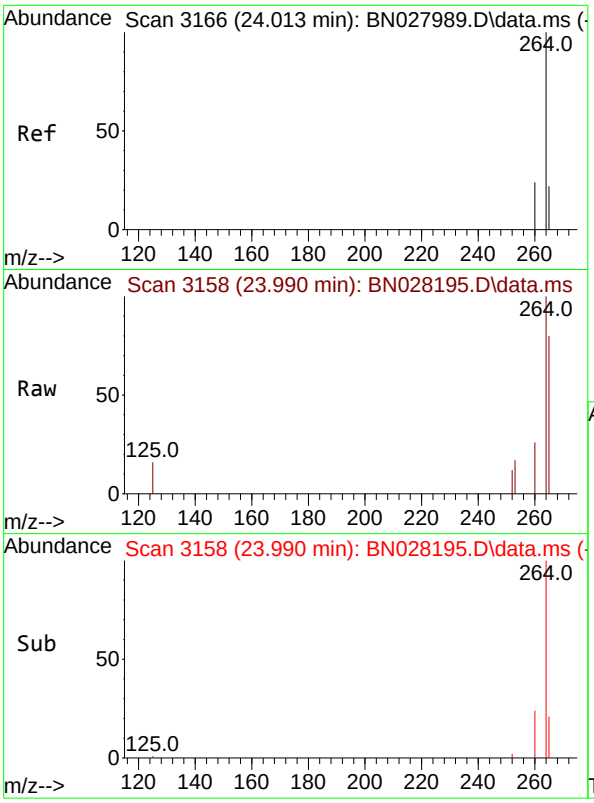


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.359 ng
RT: 21.372 min Scan# 2502
Delta R.T. 0.009 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:149 Resp: 6954

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.1	33.1
279	4.4	3.4	5.0



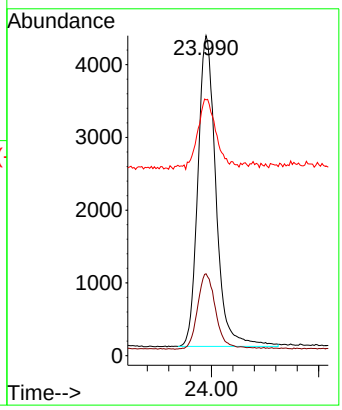


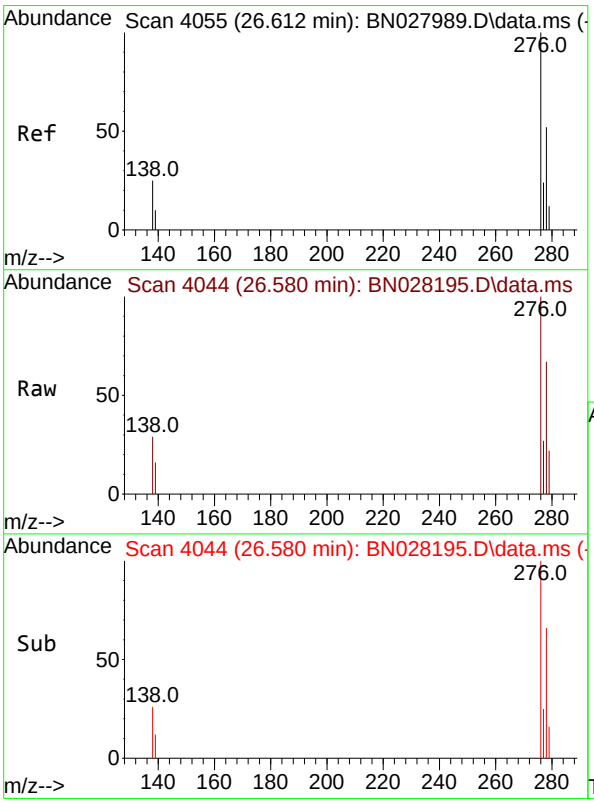
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.990 min Scan# 3
Delta R.T. 0.015 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:264 Resp: 9981

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.2	30.4
265	79.9	54.8	82.2

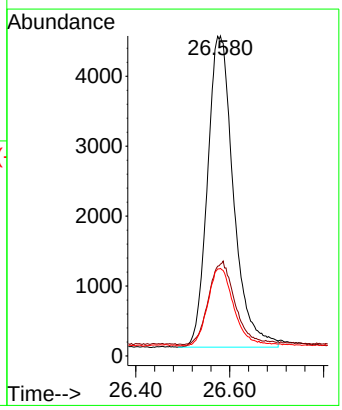


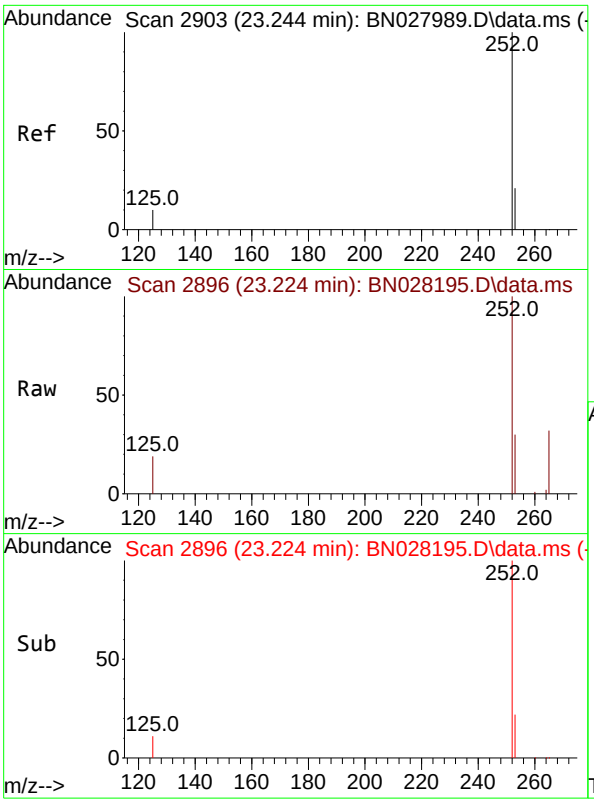


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.509 ng
RT: 26.580 min Scan# 4044
Delta R.T. 0.023 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:276 Resp: 17088

Ion	Ratio	Lower	Upper
276	100		
138	26.7	20.9	31.3
277	25.0	19.8	29.6



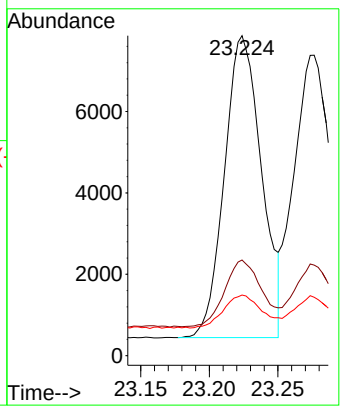


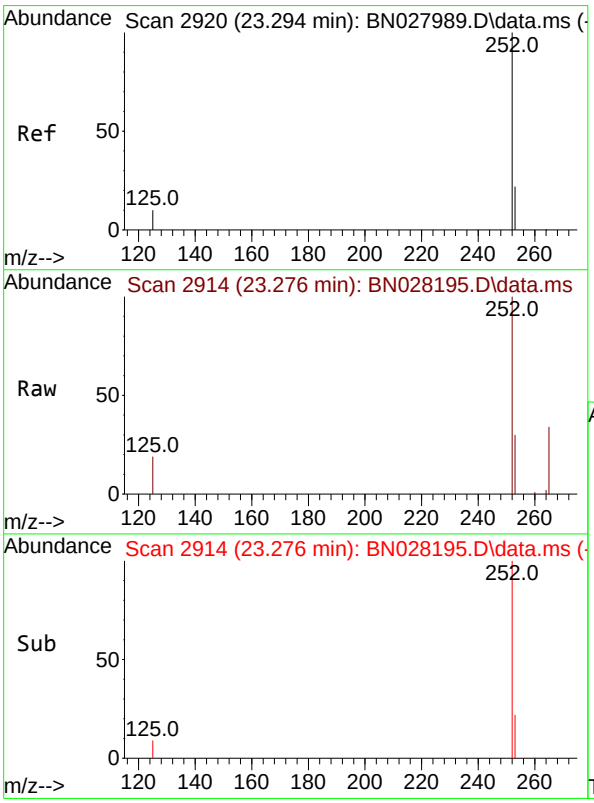
#37
Benzo(b)fluoranthene
Concen: 0.433 ng
RT: 23.224 min Scan# 2
Delta R.T. 0.012 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:252 Resp: 13970

Ion	Ratio	Lower	Upper
252	100		
253	29.9	22.9	34.3
125	19.0	13.8	20.8

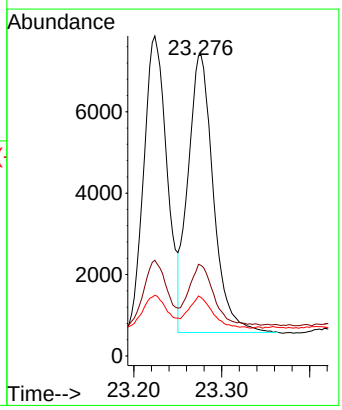


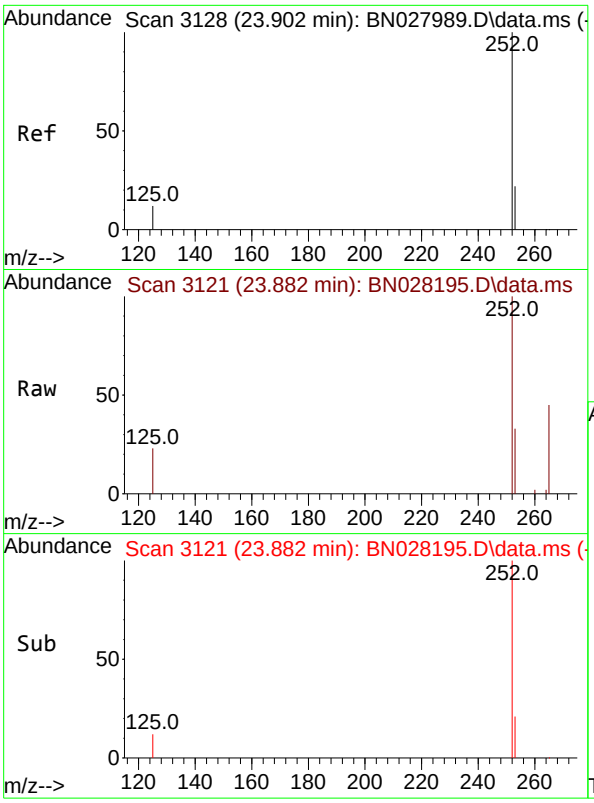


#38
Benzo(k)fluoranthene
Concen: 0.419 ng
RT: 23.276 min Scan# 2914
Delta R.T. 0.015 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:252 Resp: 13700

Ion	Ratio	Lower	Upper
252	100		
253	30.1	23.1	34.7
125	19.4	13.8	20.8



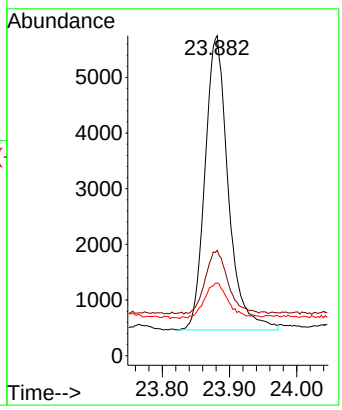


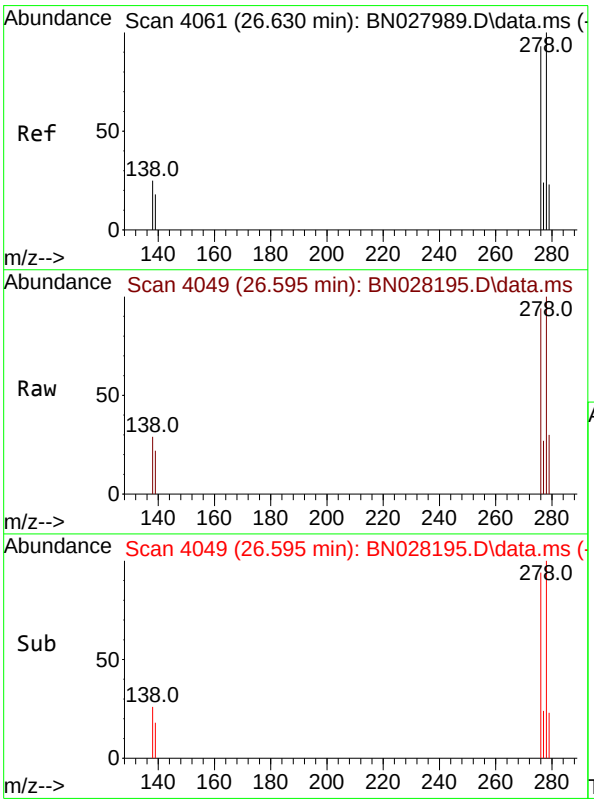
#39
Benzo(a)pyrene
Concen: 0.416 ng
RT: 23.882 min Scan# 3
Delta R.T. 0.018 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:252 Resp: 12678

Ion	Ratio	Lower	Upper
252	100		
253	32.9	25.0	37.4
125	22.7	16.6	24.8

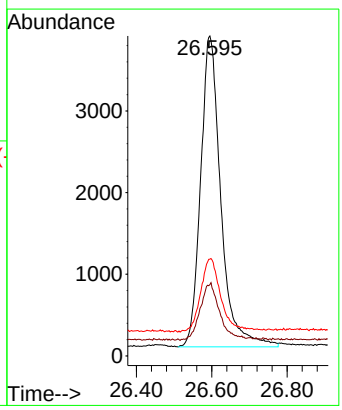


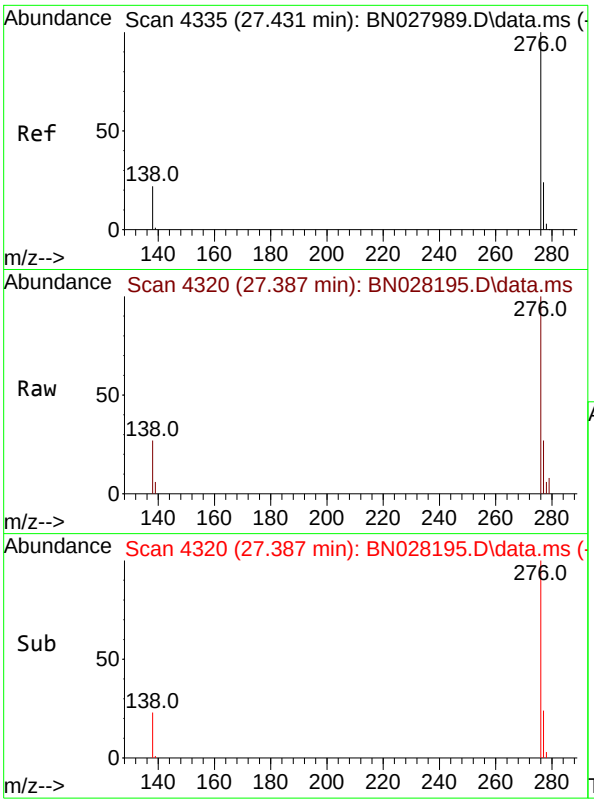


#40
Dibenzo(a,h)anthracene
Concen: 0.517 ng
RT: 26.595 min Scan# 4049
Delta R.T. 0.018 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Tgt Ion:278 Resp: 14188

Ion	Ratio	Lower	Upper
278	100		
139	22.3	17.7	26.5
279	30.2	25.2	37.8





#41
Benzo(g,h,i)perylene
Concen: 0.509 ng
RT: 27.387 min Scan# 4
Delta R.T. 0.020 min
Lab File: BN028195.D
Acq: 10 Oct 2023 13:48

Instrument :
BNA_N
ClientSampleId :
PB155970BS

Tgt Ion:276 Resp: 14339

Ion	Ratio	Lower	Upper
276	100		
277	27.2	22.1	33.1
138	26.7	20.8	31.2