Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
Data File : BN028189.D
Acq On : 10 Oct 2023 09:14
Operator : MA/JU
Sample : 04622-01MSD
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Quant Time: Oct 10 10:47:45 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	7.921	152	4889	0.400	ng	# 0.00
7) Naphthalene-d8	10.735	136	15021	0.400	ng	# 0.00
13) Acenaphthene-d10	14.565	164	14882	0.400	ng	0.00
19) Phenanthrene-d10	17.318	188	15408	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	21297	0.400	ng	# 0.00
35) Perylene-d12	23.984	264	24792	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.459	112	5618	0.385	ng	0.00
5) Phenol-d6	7.076	99	5002	0.272	ng	-0.01
8) Nitrobenzene-d5	9.112	82	4386	0.343	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	6197	0.278	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	1009	0.148	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	9155	0.171	ng	0.00
27) Fluoranthene-d10	19.365	212	10673	0.276	ng	0.00
31) Terphenyl-d14	19.936	244	13574	0.273	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.350	88	2191	0.399	ng	# 72
3) n-Nitrosodimethylamine	3.704	42	2802	0.446	ng	# 55
6) bis(2-Chloroethyl)ether	7.358	93	6136	0.414	ng	89
9) Naphthalene	10.799	128	12529106	322.821	ng	100
10) Hexachlorobutadiene	11.002	225	2289	0.332	ng	# 100
12) 2-Methylnaphthalene	12.392	142	1882233	69.327	ng	97
16) Acenaphthylene	14.288	152	1197824	18.169	ng	99
17) Acenaphthene	14.619	154	290131	6.904	ng	98
18) Fluorene	15.606	166	2534472	46.435	ng	100
20) 4,6-Dinitro-2-methylph...	16.772	198	1466	7.158	ng	# 19
21) 4-Bromophenyl-phenylether	16.499	248	2868	0.357	ng	# 8
22) Hexachlorobenzene	16.586	284	2916	0.346	ng	# 25
23) Atrazine	16.772	200	2188	0.312	ng	# 34
24) Pentachlorophenol	16.959	266	12311	3.101	ng	94
25) Phenanthrene	17.368	178	10154524	244.454	ng	99
26) Anthracene	17.455	178	3411401	86.885	ng	# 95
28) Fluoranthene	19.402	202	7861250	163.981	ng	97
30) Pyrene	19.760	202	6896562	88.311	ng	98
32) Benzo(a)anthracene	21.497	228	3759983	51.884	ng	98
33) Chrysene	21.560	228	3142536	44.997	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	16353	0.343	ng	95
36) Indeno(1,2,3-cd)pyrene	26.568	276	1689004	20.254	ng	98
37) Benzo(b)fluoranthene	23.224	252	3344429	41.769	ng	# 89
39) Benzo(a)pyrene	23.876	252	2834812	37.442	ng	# 84
40) Dibenzo(a,h)anthracene	26.580	278	509888	7.474	ng	94
41) Benzo(g,h,i)perylene	27.384	276	1572550	22.458	ng	94

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

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
Data File : BN028189.D
Acq On : 10 Oct 2023 09:14
Operator : MA/JU
Sample : 04622-01MSD
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Quant Time: Oct 10 10:47:45 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
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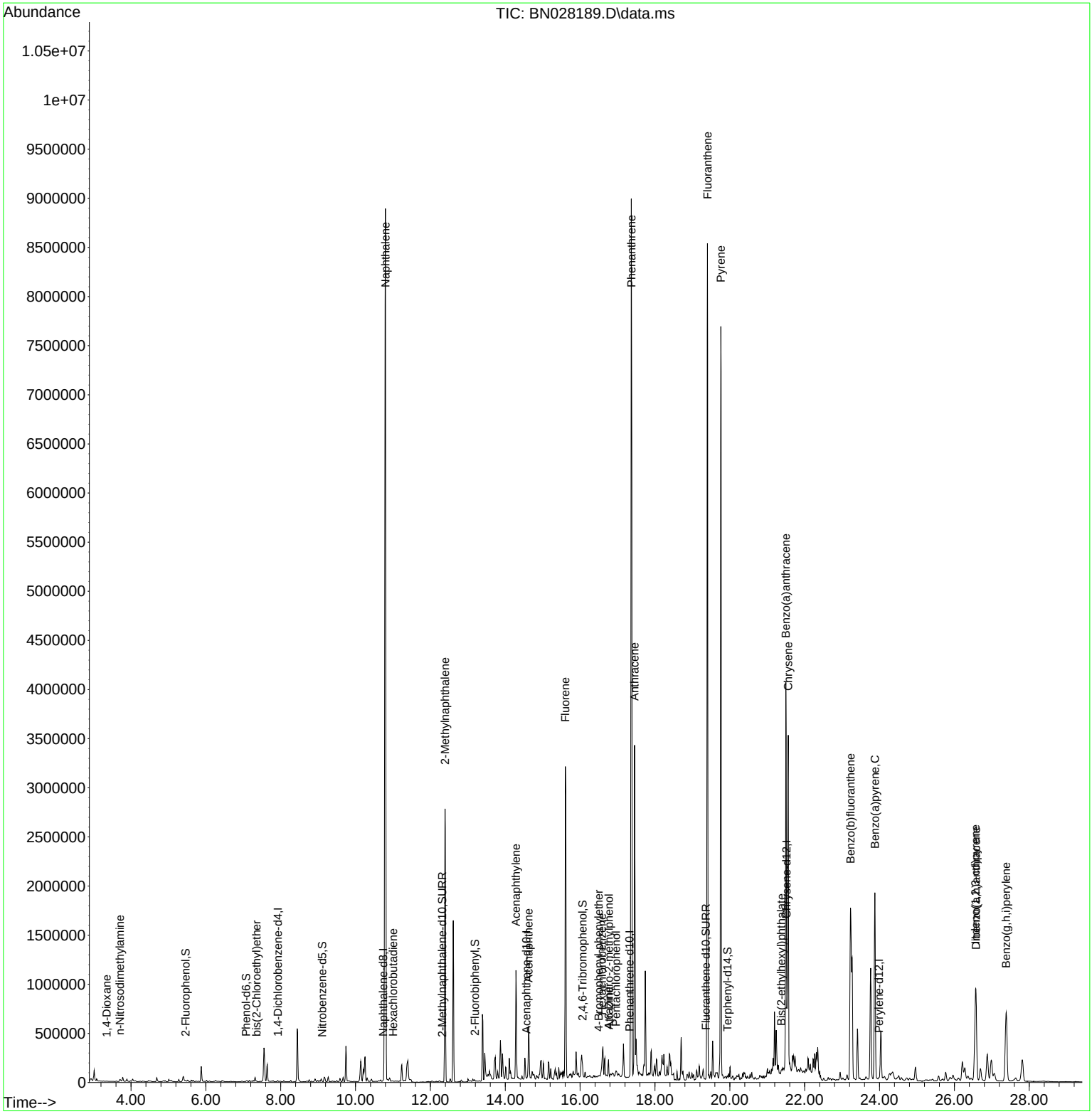
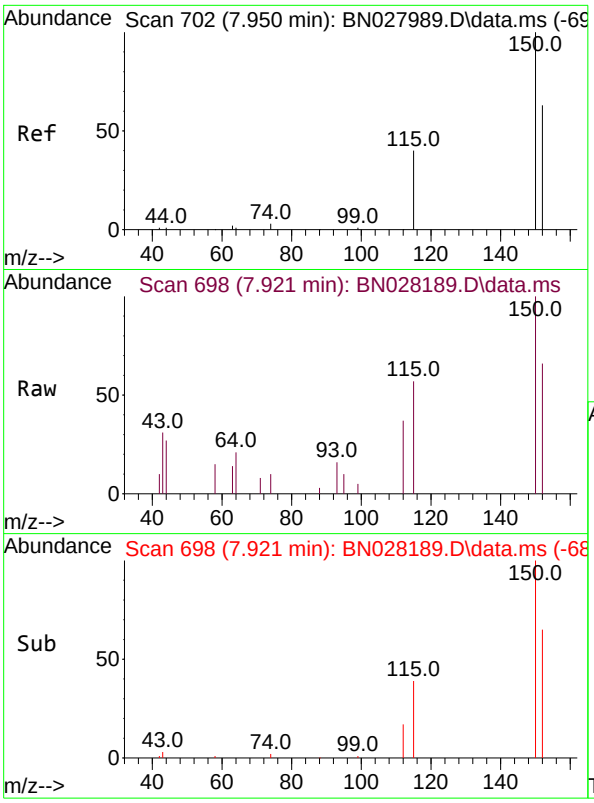


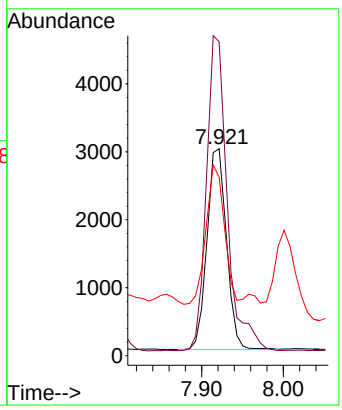


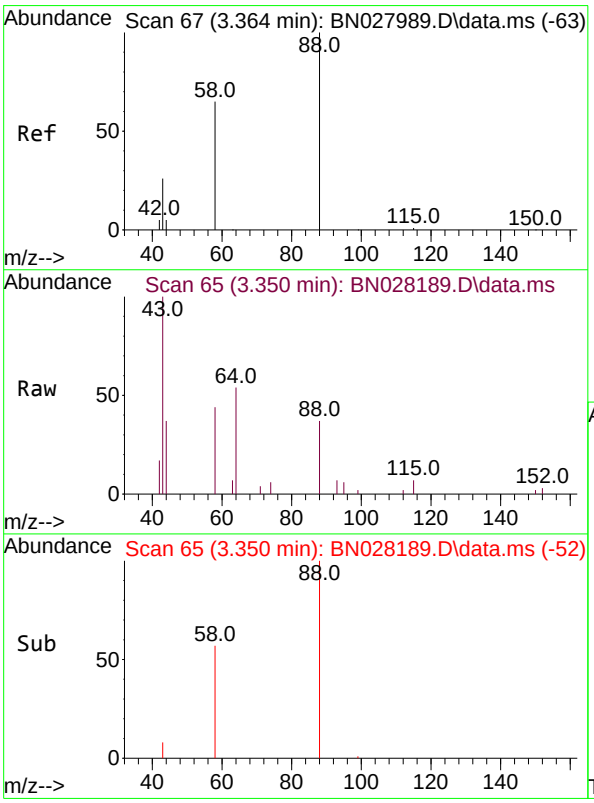
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.921 min Scan# 6
Delta R.T. -0.001 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:152 Resp: 4889

Ion	Ratio	Lower	Upper
152	100		
150	151.6	125.6	188.4
115	86.2	54.8	82.2#

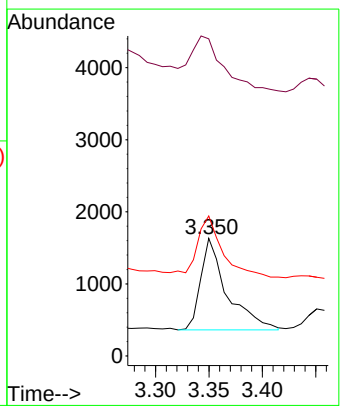


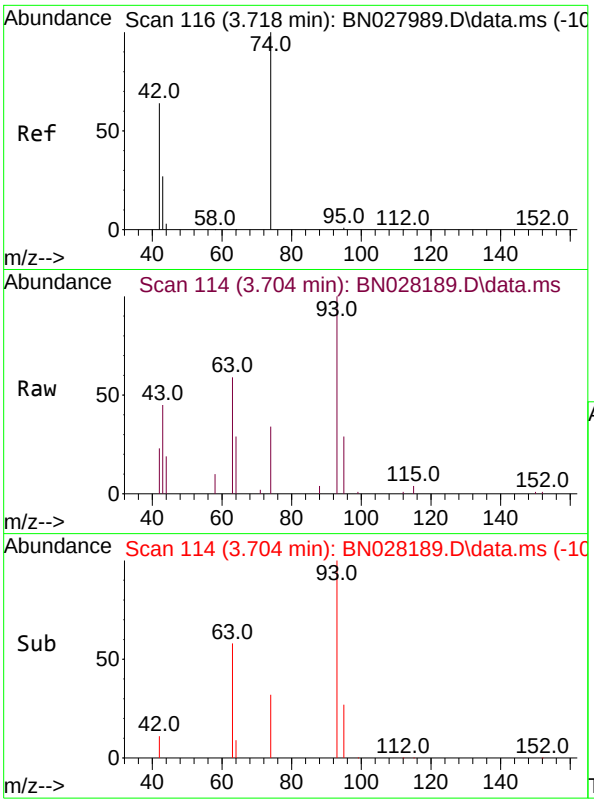


#2
1,4-Dioxane
Concen: 0.399 ng
RT: 3.350 min Scan# 65
Delta R.T. -0.007 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion: 88 Resp: 2191

Ion	Ratio	Lower	Upper
88	100		
43	74.0	24.6	36.8#
58	64.0	53.8	80.6



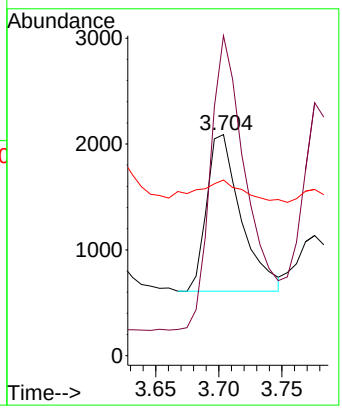


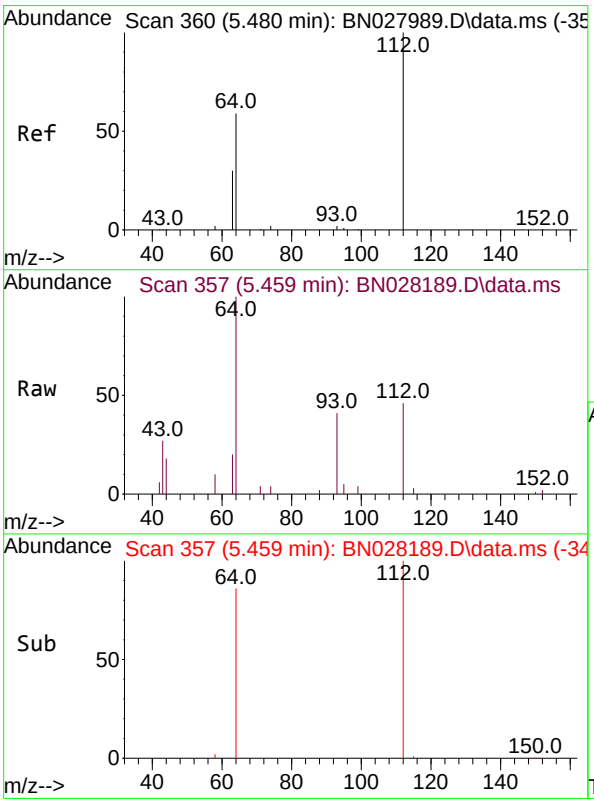
#3
n-Nitrosodimethylamine
Concen: 0.446 ng
RT: 3.704 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion: 42 Resp: 2802

Ion	Ratio	Lower	Upper
42	100		
74	202.6	115.9	173.9#
44	19.1	8.0	12.0#

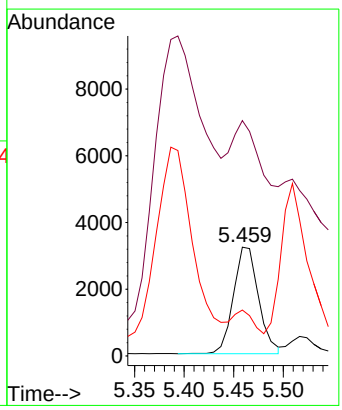


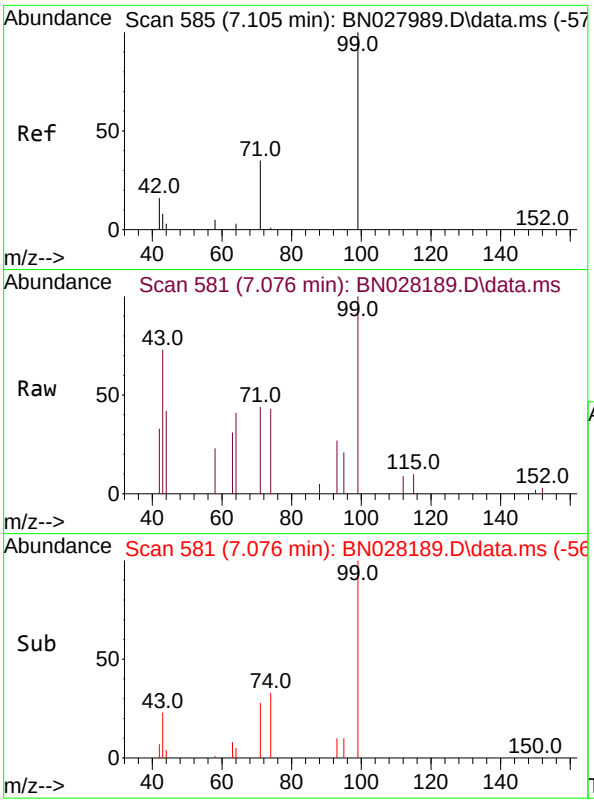


#4
2-Fluorophenol
Concen: 0.385 ng
RT: 5.459 min Scan# 357
Delta R.T. -0.007 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:112 Resp: 5618

Ion	Ratio	Lower	Upper
112	100		
64	50.9	45.0	67.6
63	18.2	23.4	35.0#



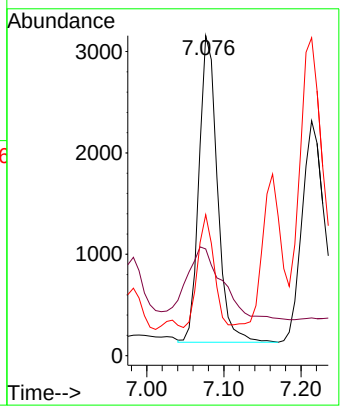


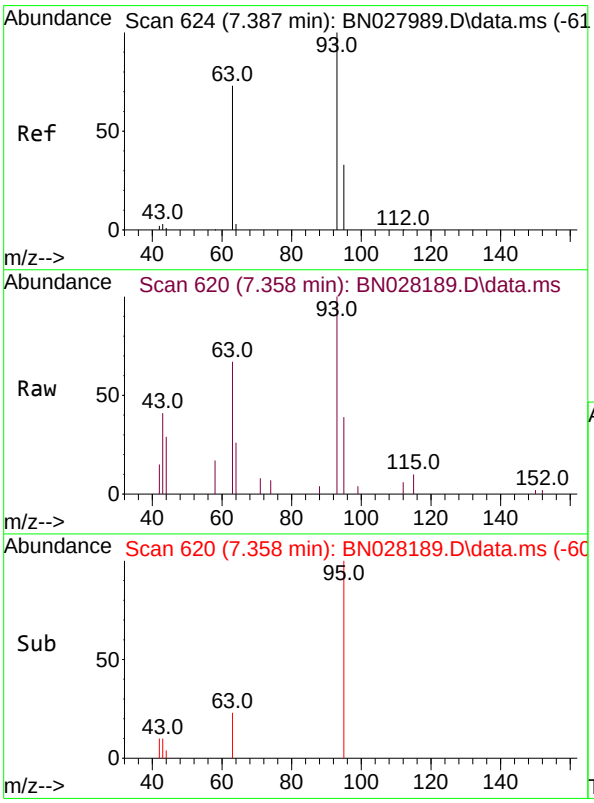
#5
Phenol-d6
Concen: 0.272 ng
RT: 7.076 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion: 99 Resp: 5002

Ion	Ratio	Lower	Upper
99	100		
42	47.1	14.6	22.0#
71	32.5	28.3	42.5

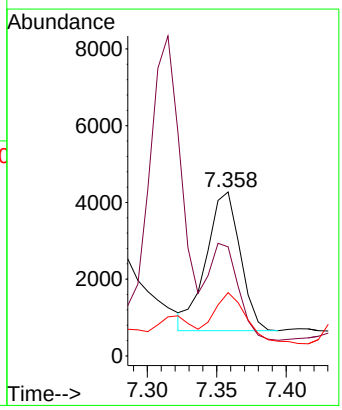


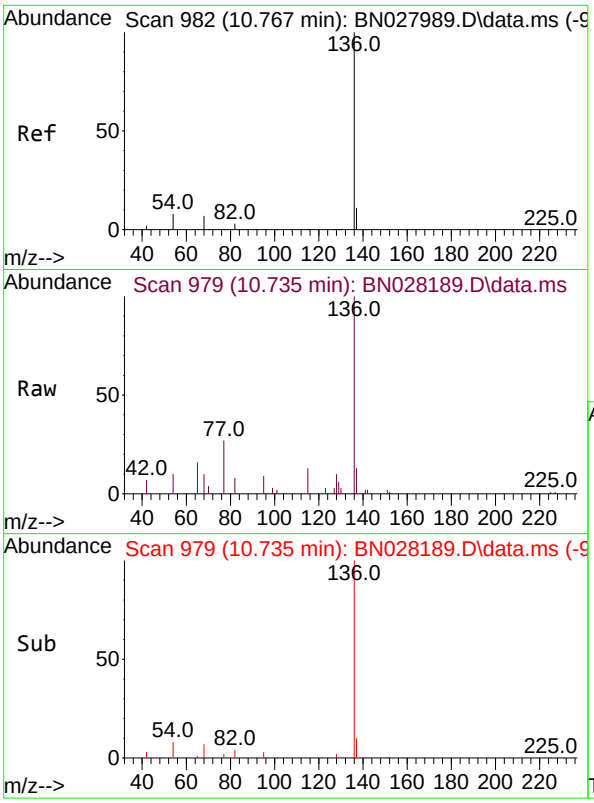


#6
bis(2-Chloroethyl)ether
Concen: 0.414 ng
RT: 7.358 min Scan# 620
Delta R.T. -0.007 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion: 93 Resp: 6136

Ion	Ratio	Lower	Upper
93	100		
63	61.6	58.8	88.2
95	35.9	26.6	39.8



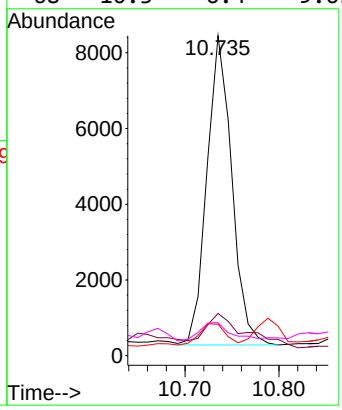


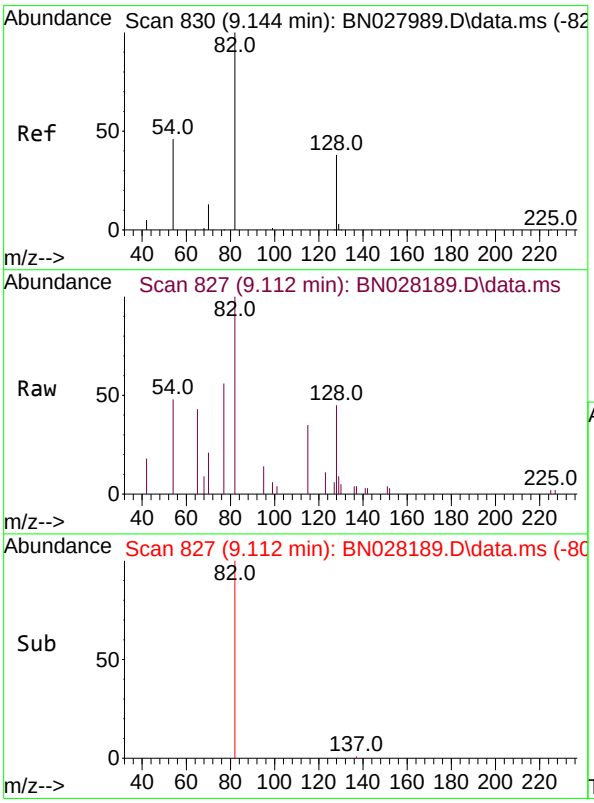
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:136 Resp: 15021

Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.4	14.0
54	9.9	7.0	10.6
68	10.3	6.4	9.6#

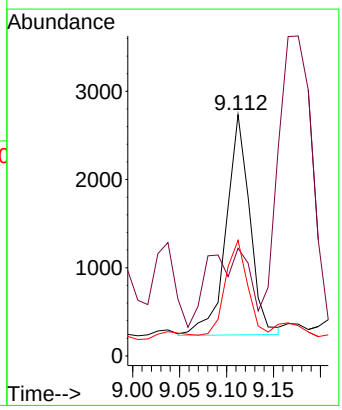


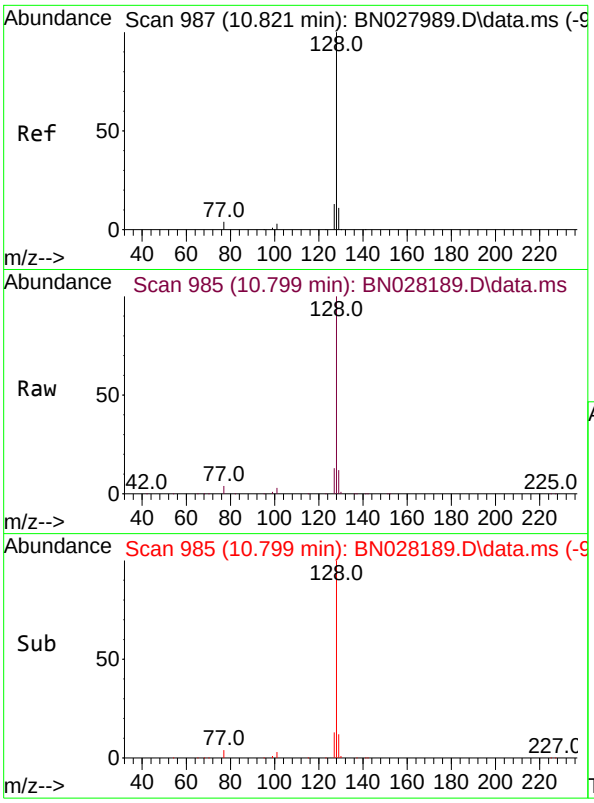


#8
Nitrobenzene-d5
Concen: 0.343 ng
RT: 9.112 min Scan# 827
Delta R.T. -0.011 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion: 82 Resp: 4386

Ion	Ratio	Lower	Upper
82	100		
128	44.6	32.7	49.1
54	48.0	38.7	58.1



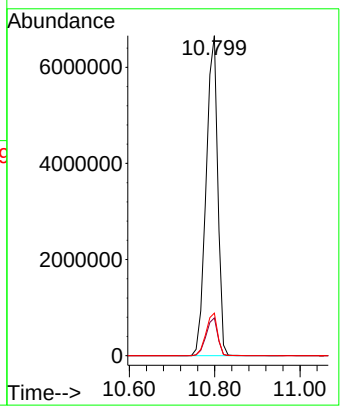


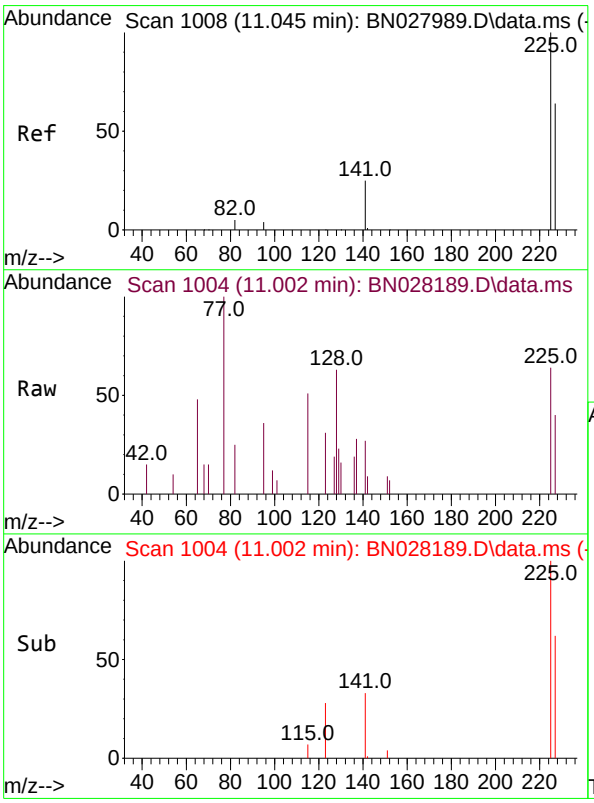
#9
Naphthalene
Concen: 322.821 ng
RT: 10.799 min Scan# 9
Delta R.T. 0.010 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:128 Resp:12529106

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.4	14.2
127	13.3	10.9	16.3

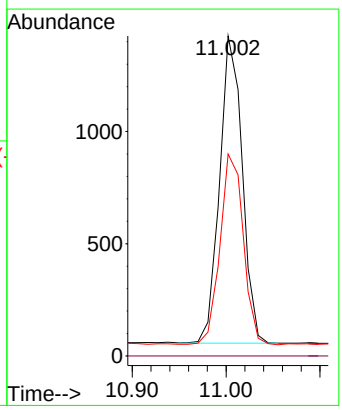


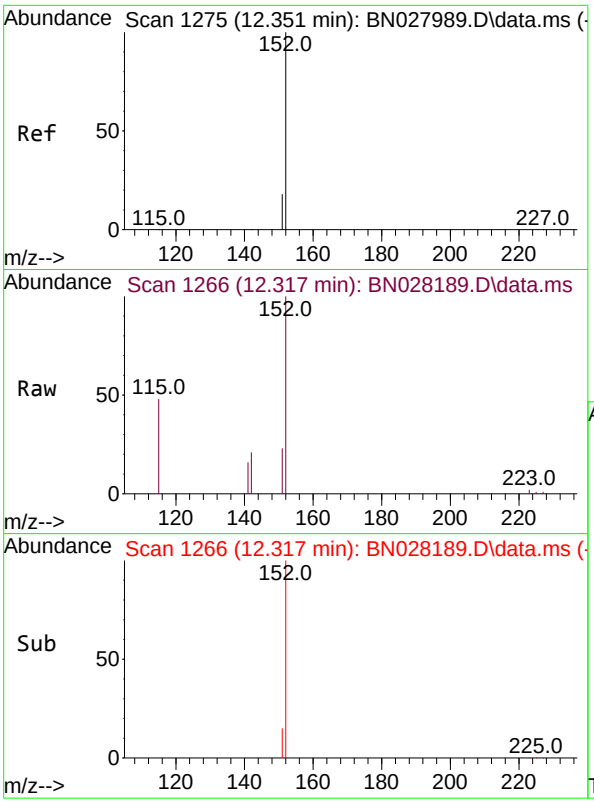


#10
Hexachlorobutadiene
Concen: 0.332 ng
RT: 11.002 min Scan# 1004
Delta R.T. -0.011 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:225 Resp: 2289

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.3	76.9



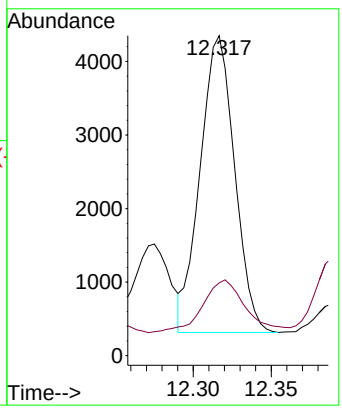


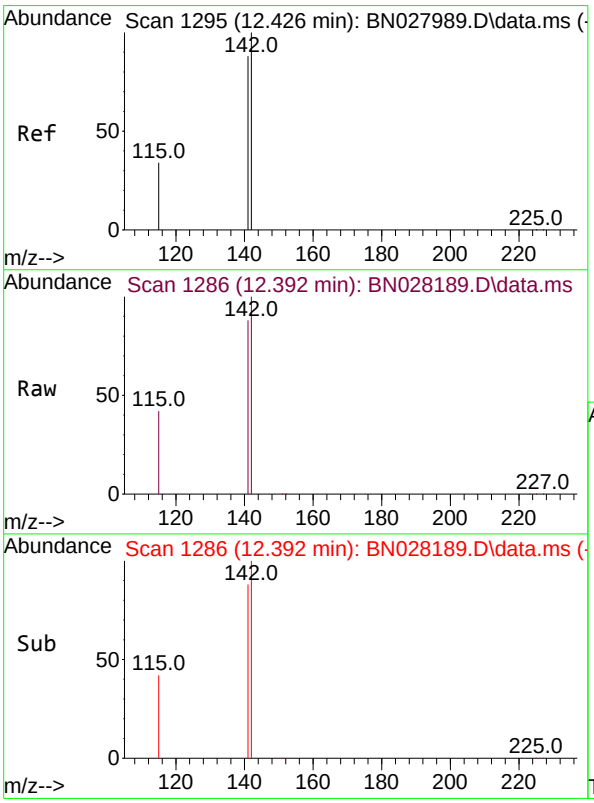
#11
2-Methylnaphthalene-d10
Concen: 0.278 ng
RT: 12.317 min Scan# 1
Delta R.T. -0.008 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:152 Resp: 6197

Ion	Ratio	Lower	Upper
152	100		
151	23.7	16.5	24.7

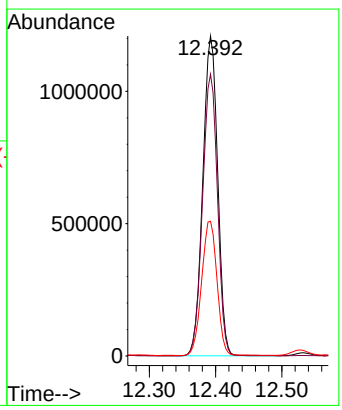


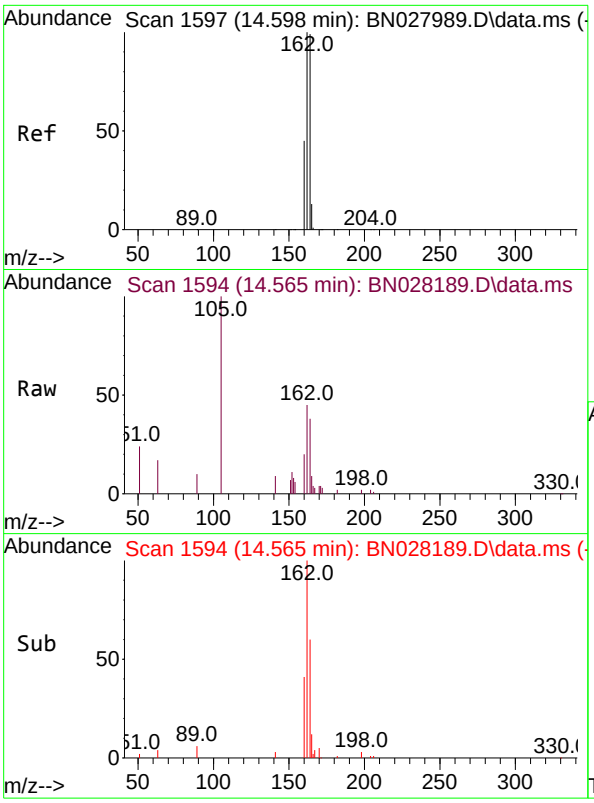


#12
2-Methylnaphthalene
Concen: 69.327 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:142 Resp: 1882233

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.7	106.1
115	42.1	28.6	42.8



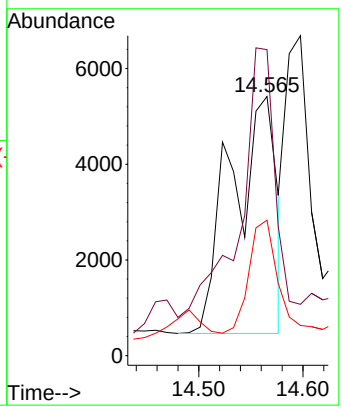


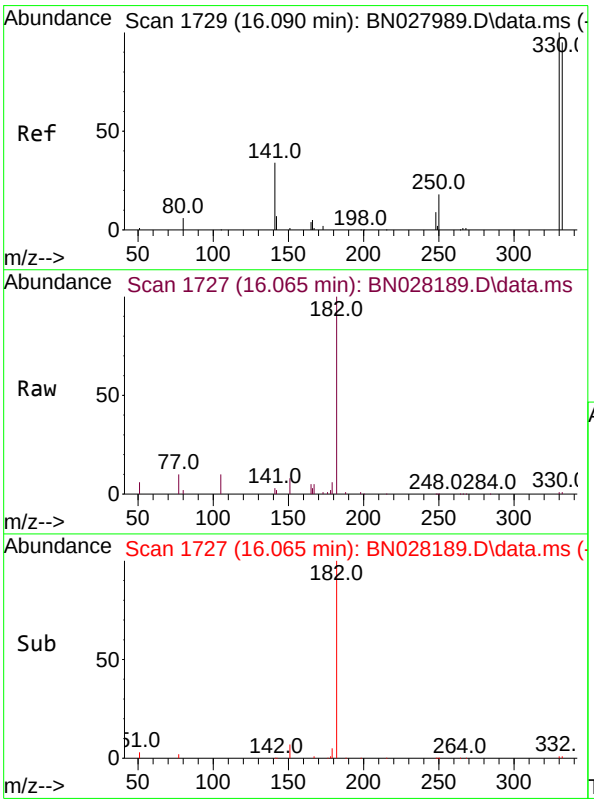
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.565 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:164 Resp: 14882

Ion	Ratio	Lower	Upper
164	100		
162	118.1	80.8	121.2
160	52.3	36.4	54.6

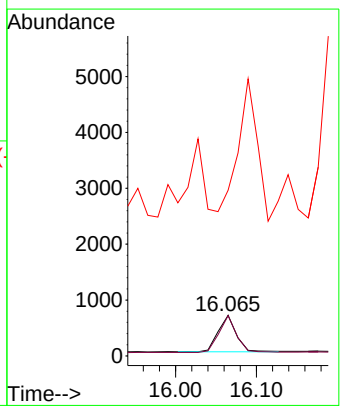


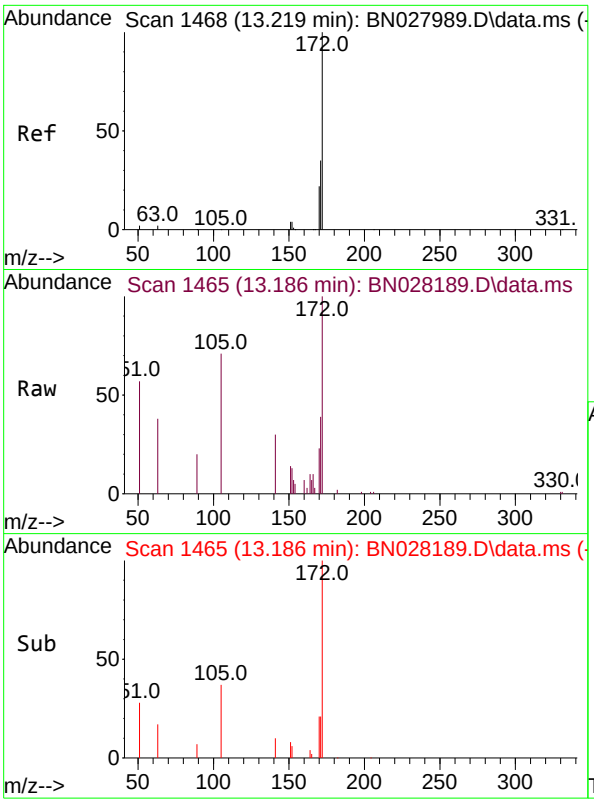


#14
2,4,6-Tribromophenol
Concen: 0.148 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:330 Resp: 1009

Ion	Ratio	Lower	Upper
330	100		
332	99.0	78.1	117.1
141	0.0	33.4	50.2#



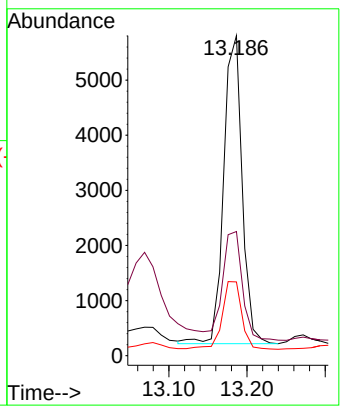


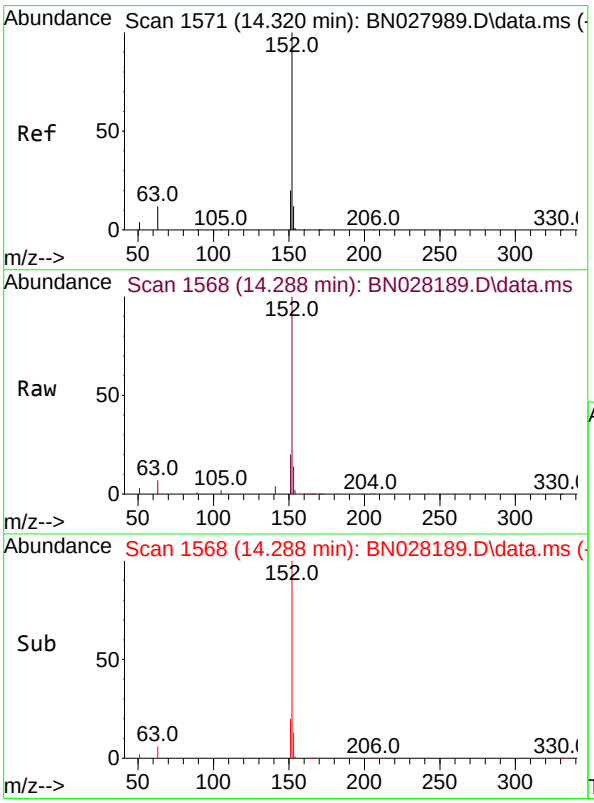
#15
2-Fluorobiphenyl
Concen: 0.171 ng
RT: 13.186 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:172 Resp: 9155

Ion	Ratio	Lower	Upper
172	100		
171	38.8	28.1	42.1
170	23.1	18.4	27.6

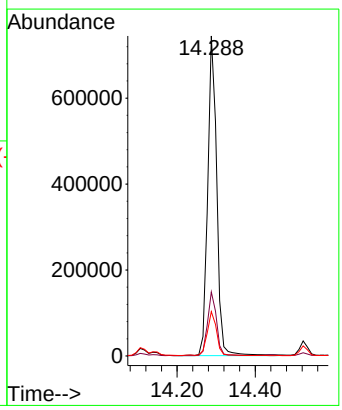


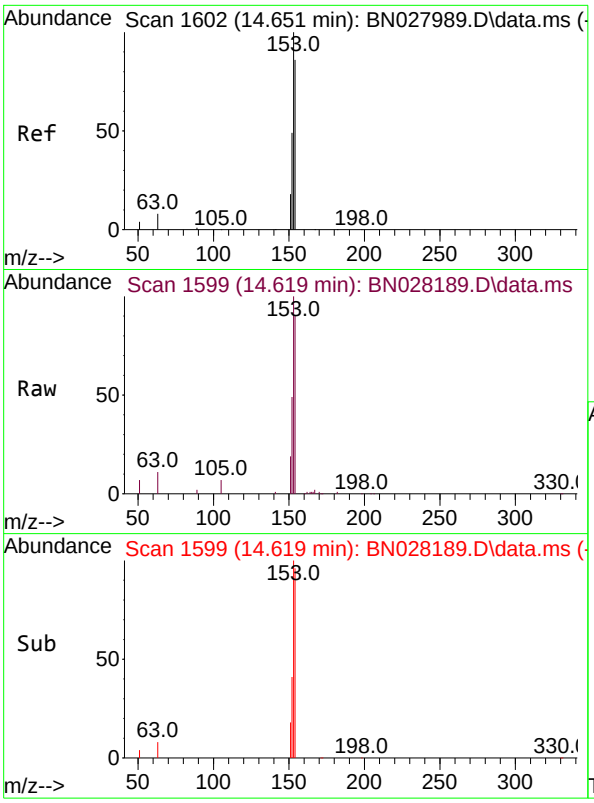


#16
Acenaphthylene
Concen: 18.169 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:152 Resp: 1197824

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	14.1	10.2	15.4



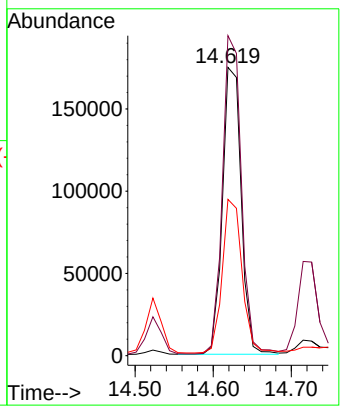


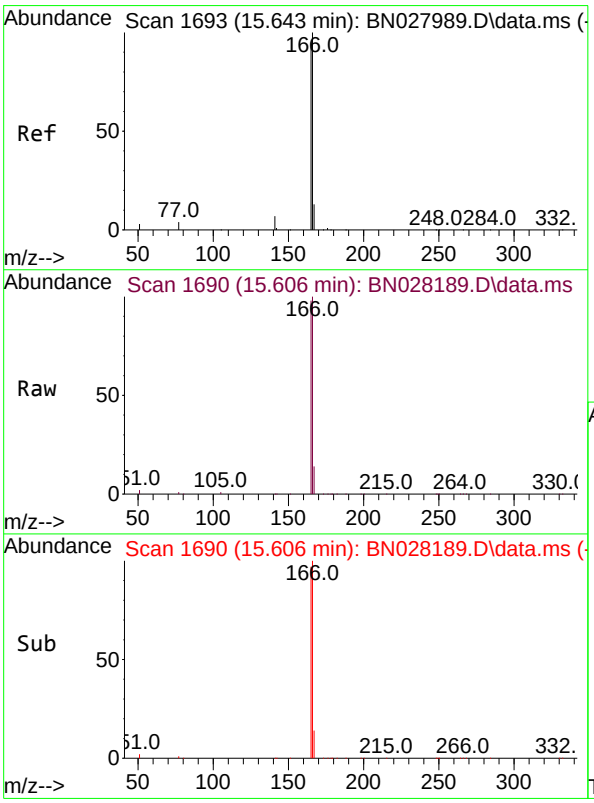
#17
Acenaphthene
Concen: 6.904 ng
RT: 14.619 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:154 Resp: 290131

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.8	136.2
152	56.5	43.9	65.9

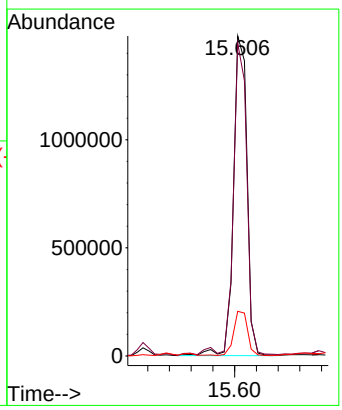


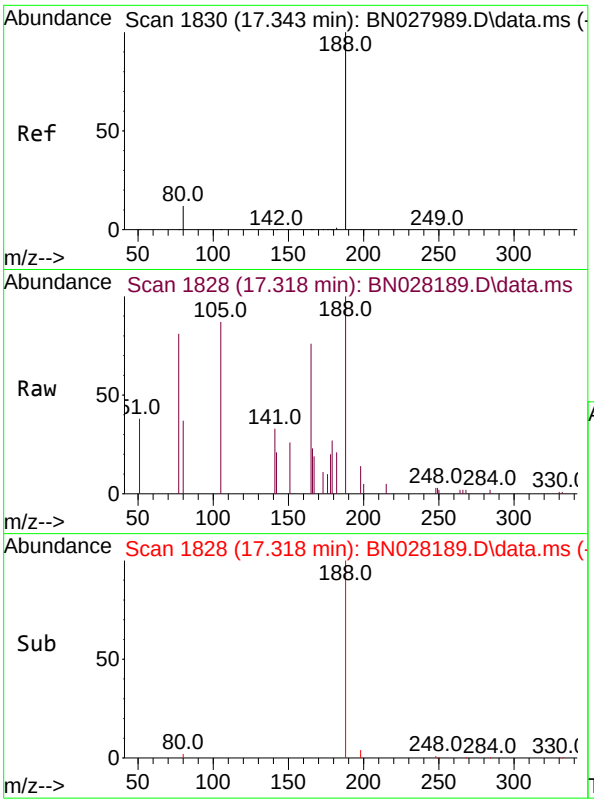


#18
Fluorene
Concen: 46.435 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:166 Resp: 2534472

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.8	116.8
167	14.5	10.7	16.1



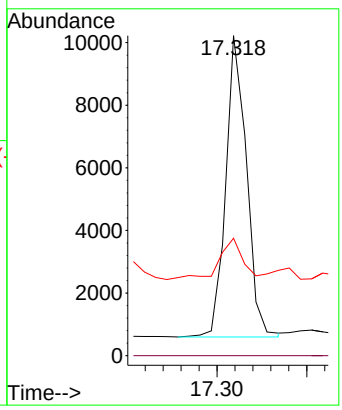


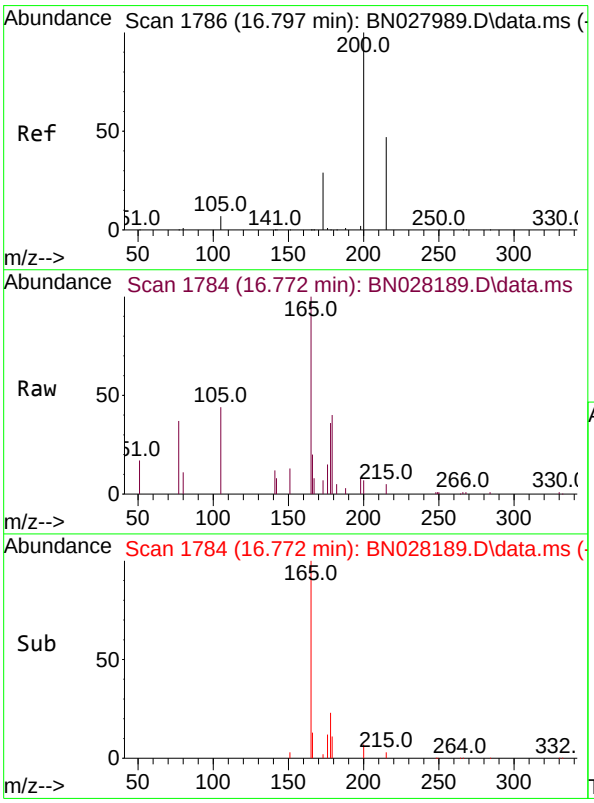
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.318 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:188 Resp: 15408

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	36.7	10.2	15.4#

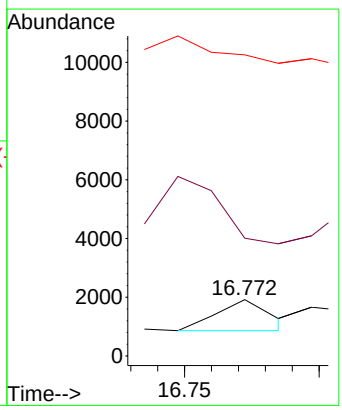


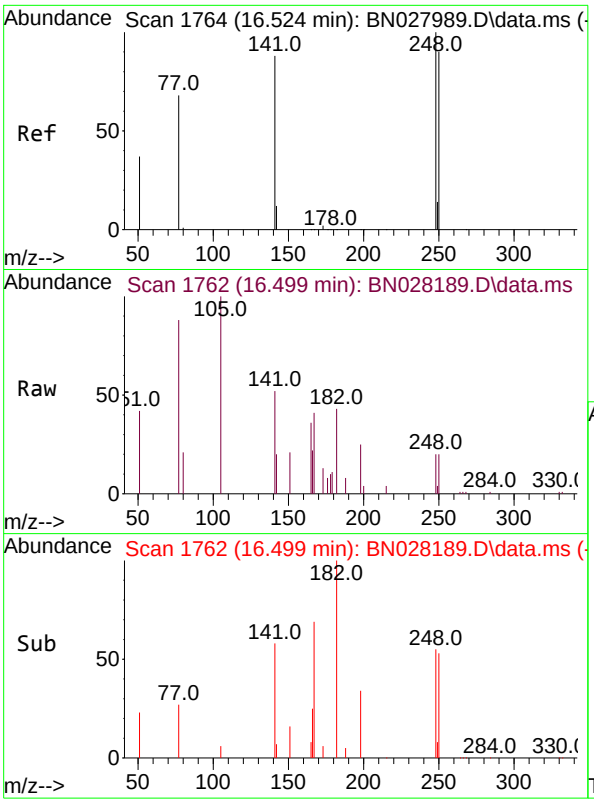


#20
4,6-Dinitro-2-methylphenol
Concen: 7.158 ng
RT: 16.772 min Scan# 1784
Delta R.T. -0.013 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:198 Resp: 1466

Ion	Ratio	Lower	Upper
198	100		
51	209.0	180.7	271.1
105	534.8	222.2	333.2#



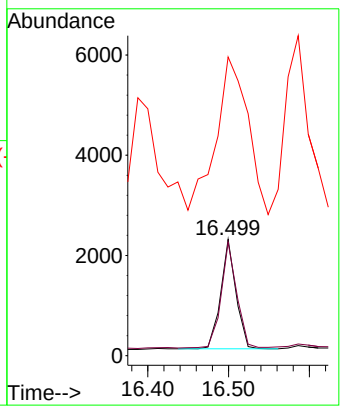


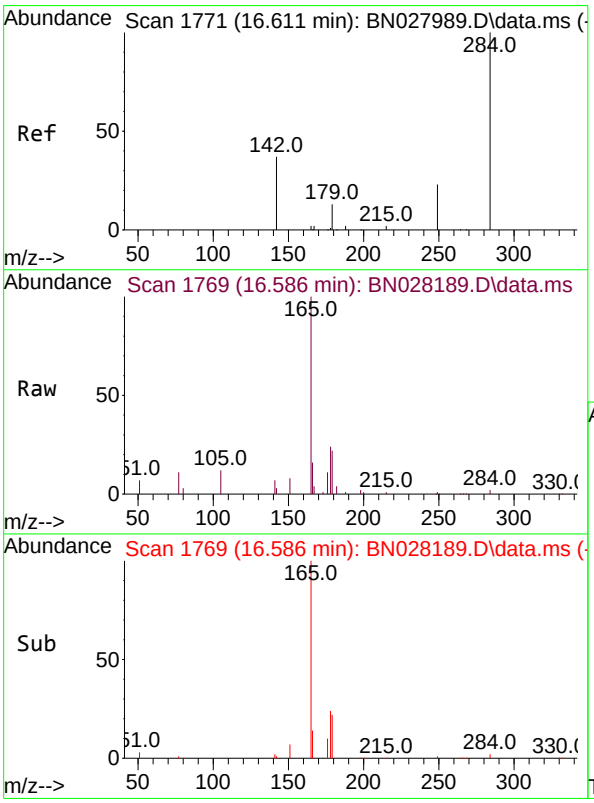
#21
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 16.499 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:248 Resp: 2868

Ion	Ratio	Lower	Upper
248	100		
250	97.6	72.3	108.5
141	256.8	71.8	107.6#

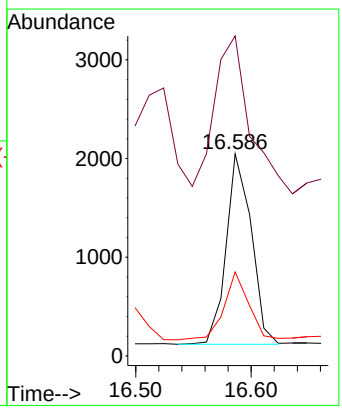


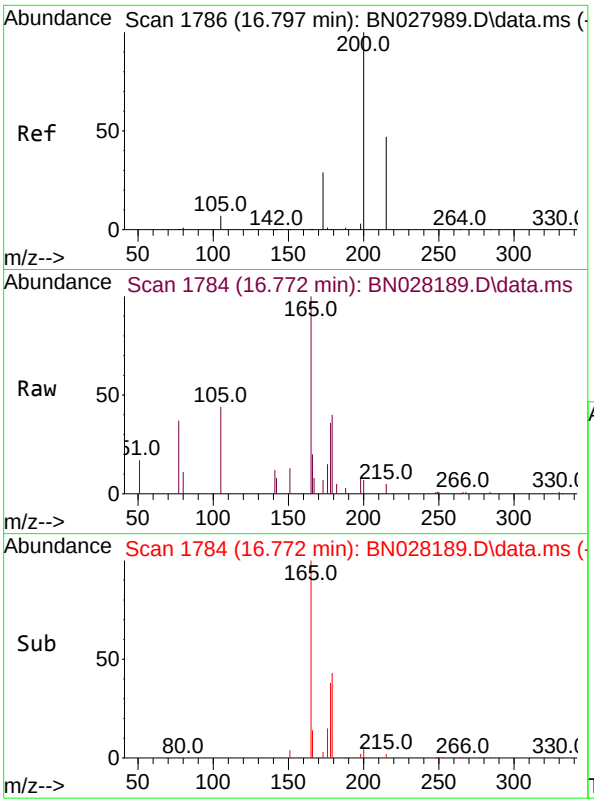


#22
Hexachlorobenzene
Concen: 0.346 ng
RT: 16.586 min Scan# 1769
Delta R.T. -0.000 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:284 Resp: 2916

Ion	Ratio	Lower	Upper
284	100		
142	116.2	29.9	44.9#
249	34.8	25.0	37.4



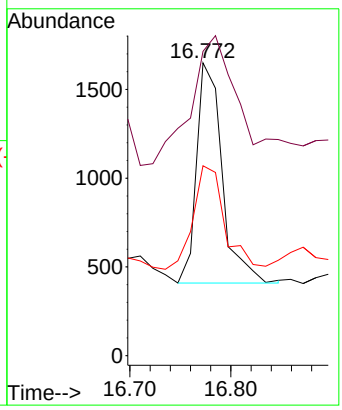


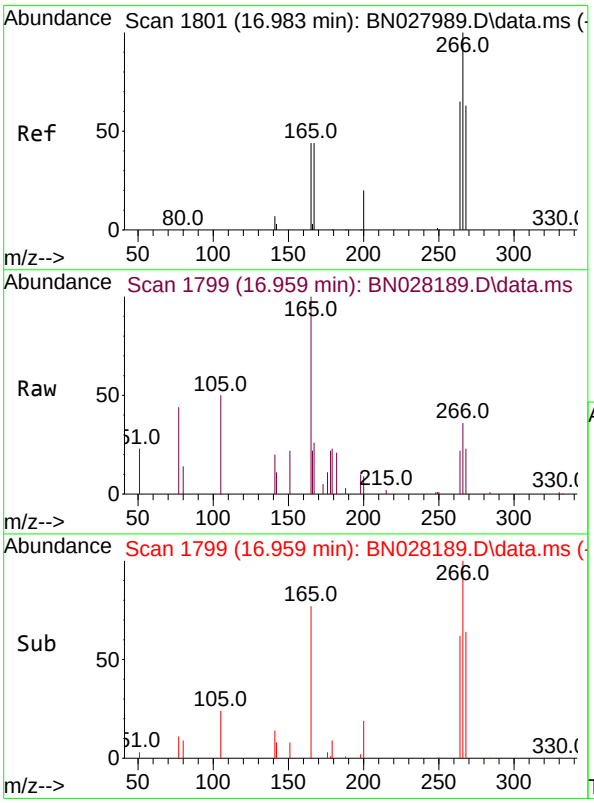
#23
Atrazine
Concen: 0.312 ng
RT: 16.772 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:200 Resp: 2188

Ion	Ratio	Lower	Upper
200	100		
173	103.9	24.7	37.1#
215	64.8	39.0	58.6#

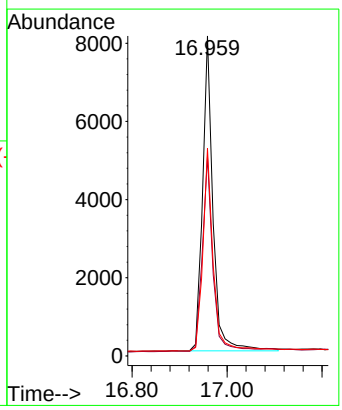


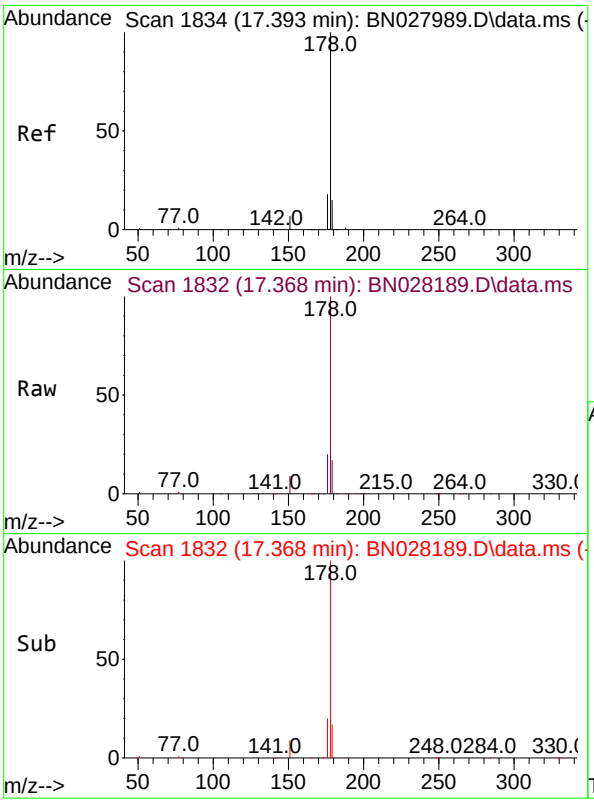


#24
Pentachlorophenol
Concen: 3.101 ng
RT: 16.959 min Scan# 1799
Delta R.T. -0.013 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:266 Resp: 12311

Ion	Ratio	Lower	Upper
266	100		
264	62.0	52.7	79.1
268	64.2	56.2	84.2



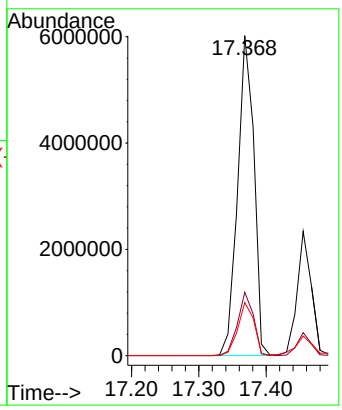


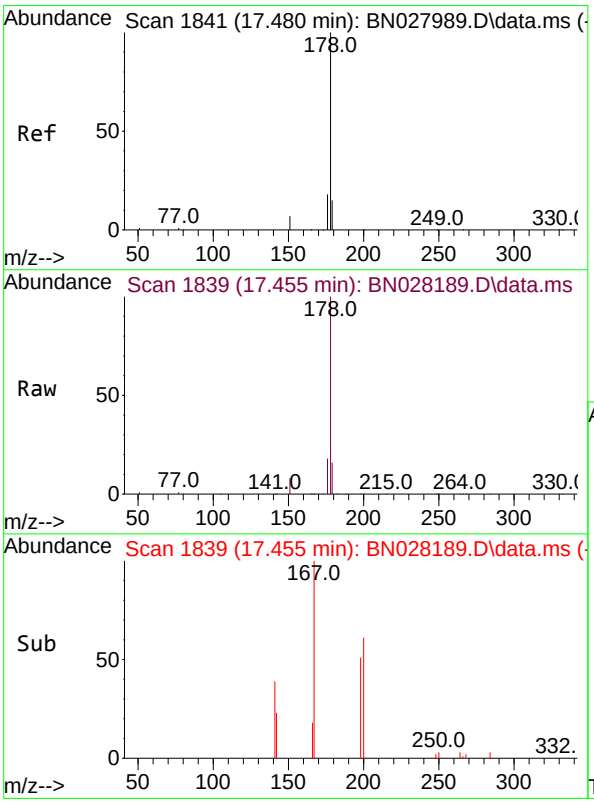
#25
Phenanthrene
Concen: 244.454 ng
RT: 17.368 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:178 Resp:10154524

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	16.5	12.4	18.6

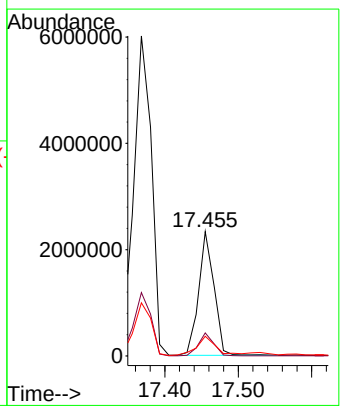


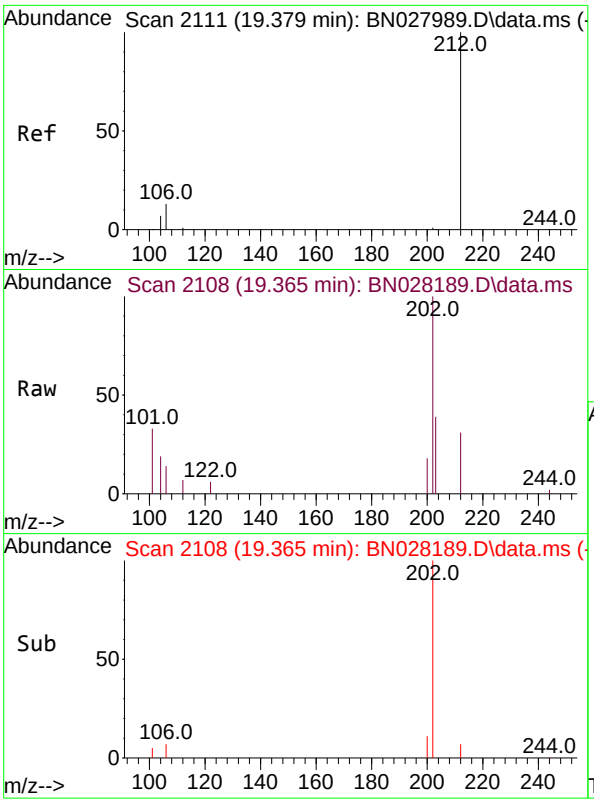


#26
Anthracene
Concen: 86.885 ng
RT: 17.455 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:178 Resp: 3411401

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	19.3	12.2	18.2#



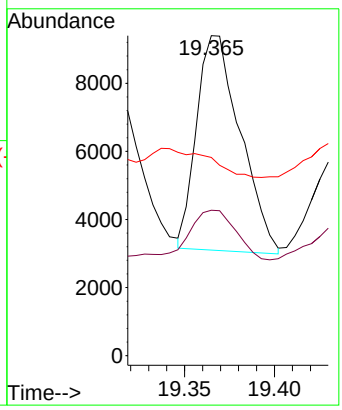


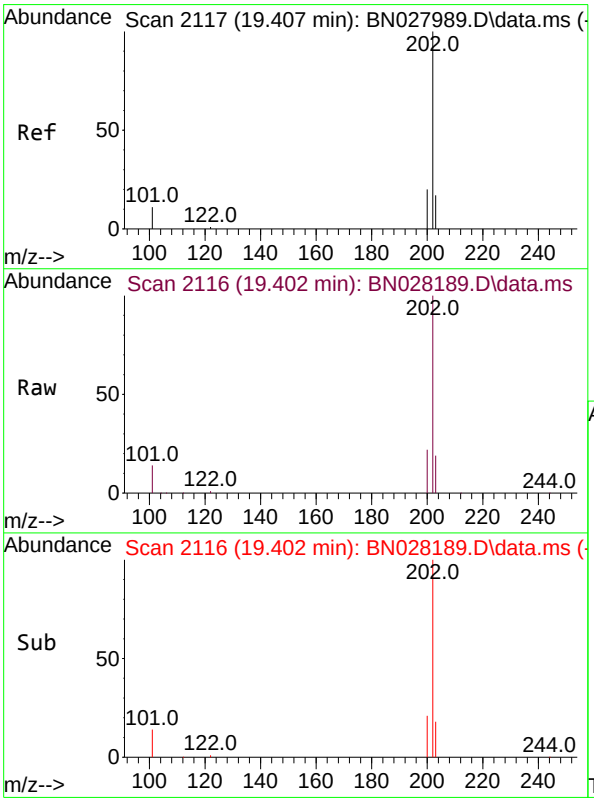
#27
Fluoranthene-d10
Concen: 0.276 ng
RT: 19.365 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:212 Resp: 10673

Ion	Ratio	Lower	Upper
212	100		
106	25.3	11.3	16.9#
104	0.0	6.4	9.6#

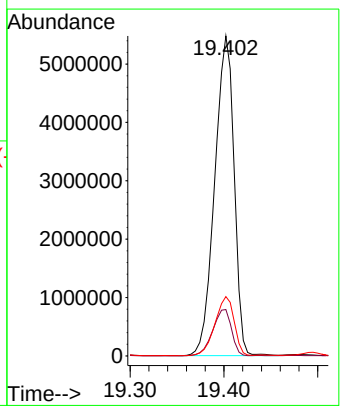


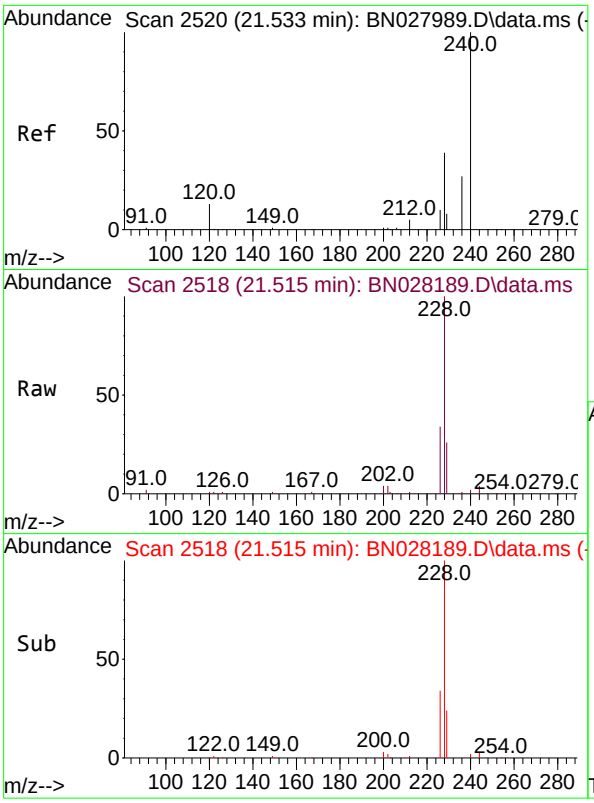


#28
Fluoranthene
Concen: 163.981 ng
RT: 19.402 min Scan# 2116
Delta R.T. 0.018 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:202 Resp: 7861250

Ion	Ratio	Lower	Upper
202	100		
101	14.1	9.8	14.6
203	18.3	13.8	20.8



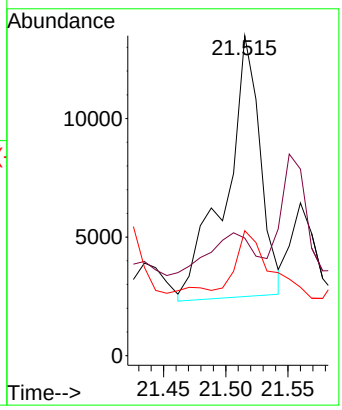


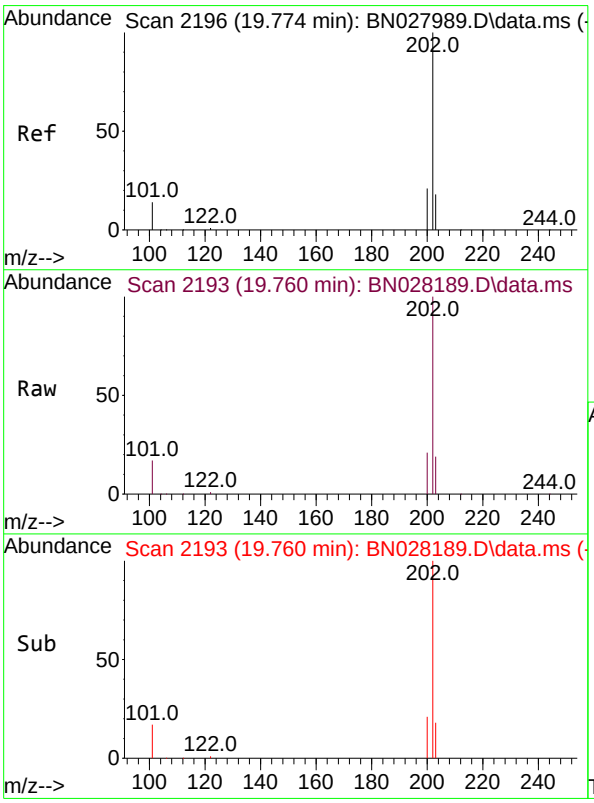
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:240 Resp: 21297

Ion	Ratio	Lower	Upper
240	100		
120	36.7	13.8	20.6#
236	39.1	22.6	33.8#

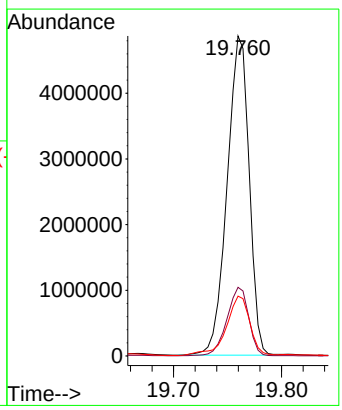


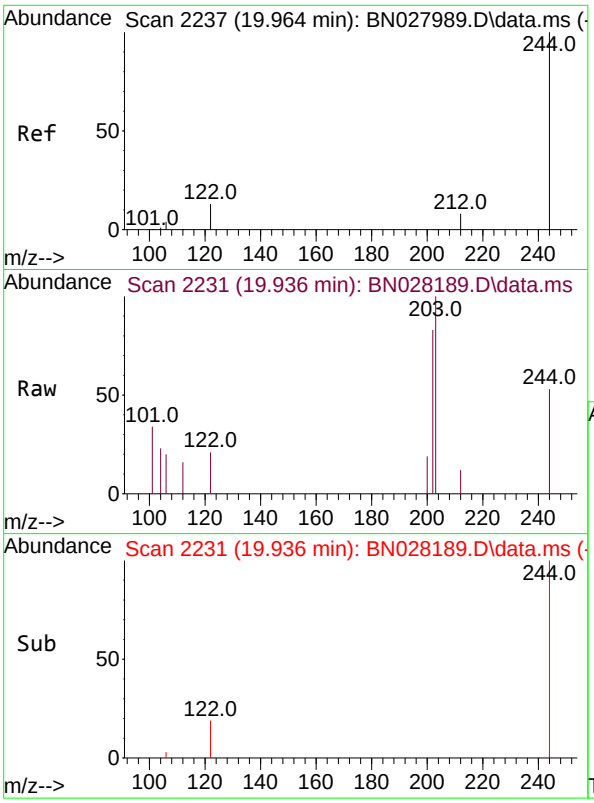


#30
Pyrene
Concen: 88.311 ng
RT: 19.760 min Scan# 2193
Delta R.T. 0.009 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:202 Resp: 6896562

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7
203	20.0	14.7	22.1



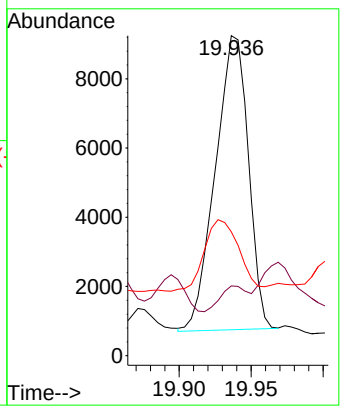


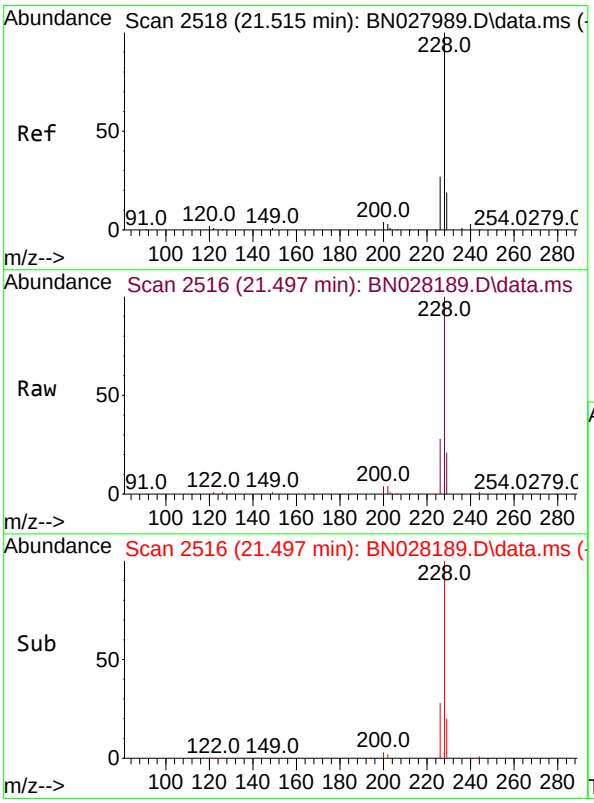
#31
Terphenyl-d14
Concen: 0.273 ng
RT: 19.936 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:244 Resp: 13574

Ion	Ratio	Lower	Upper
244	100		
212	21.8	6.6	9.8#
122	38.7	11.4	17.0#

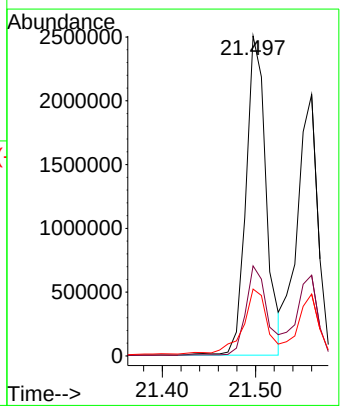


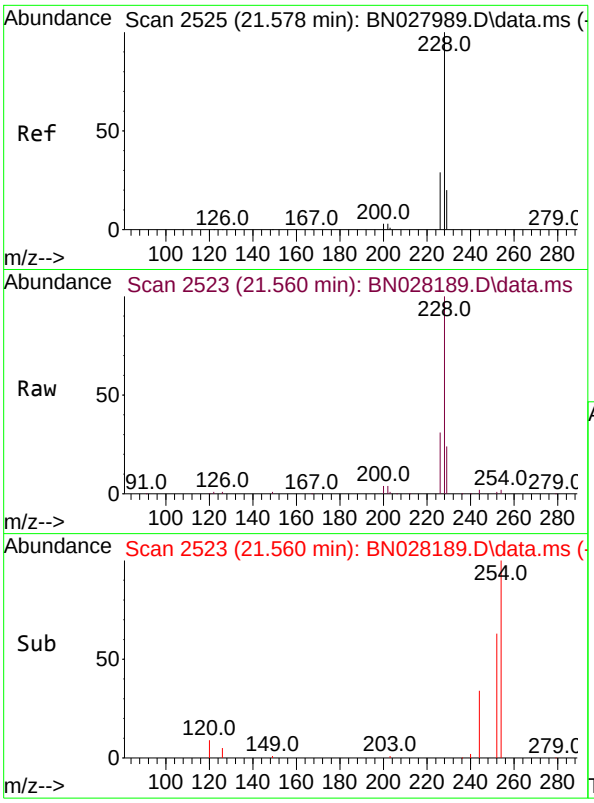


#32
Benzo(a)anthracene
Concen: 51.884 ng
RT: 21.497 min Scan# 2516
Delta R.T. -0.000 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:228 Resp: 3759983

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.0	33.0
229	20.9	16.0	24.0



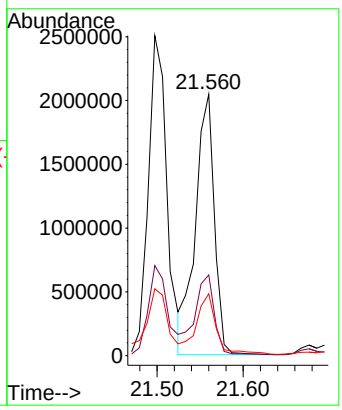


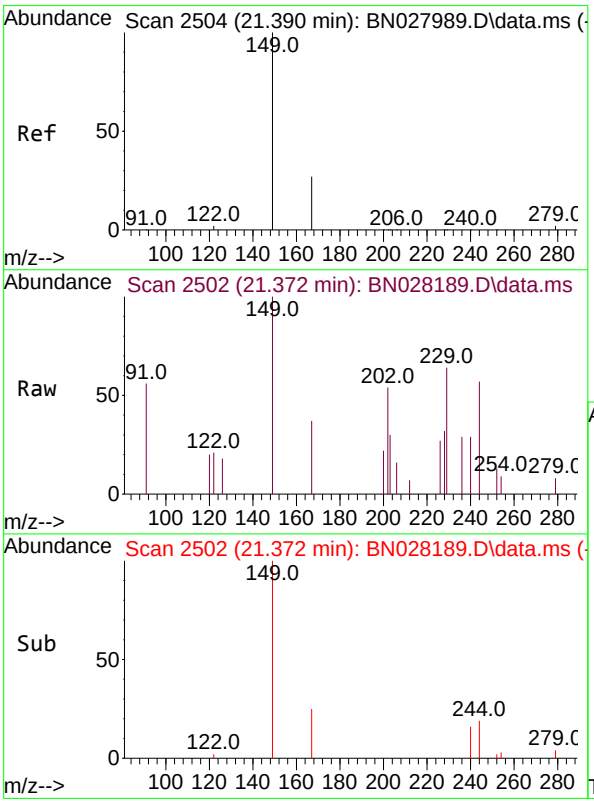
#33
Chrysene
Concen: 44.997 ng
RT: 21.560 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:228 Resp: 3142536

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.8
229	23.7	16.6	25.0

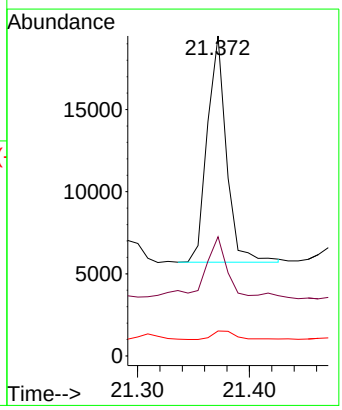


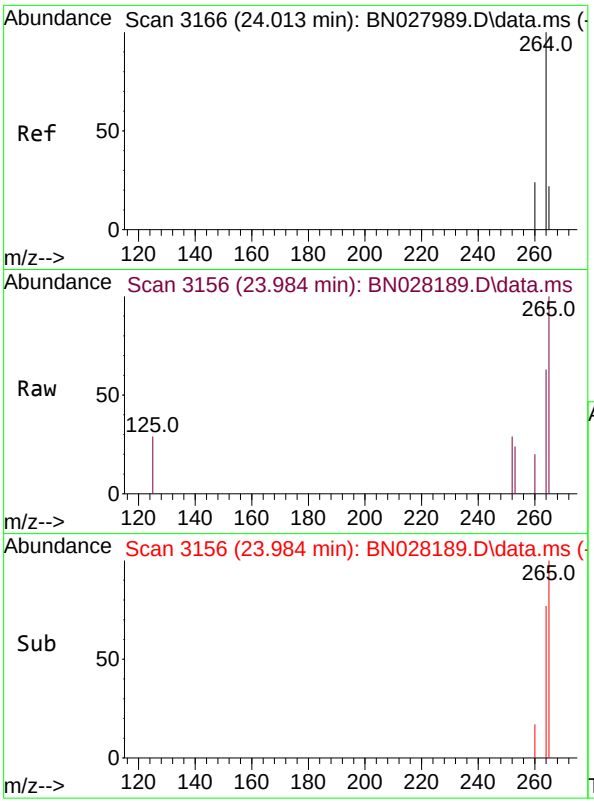


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.343 ng
RT: 21.372 min Scan# 2502
Delta R.T. 0.009 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:149 Resp: 16353

Ion	Ratio	Lower	Upper
149	100		
167	30.2	22.1	33.1
279	4.8	3.4	5.0



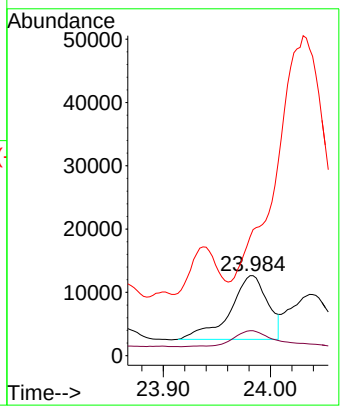


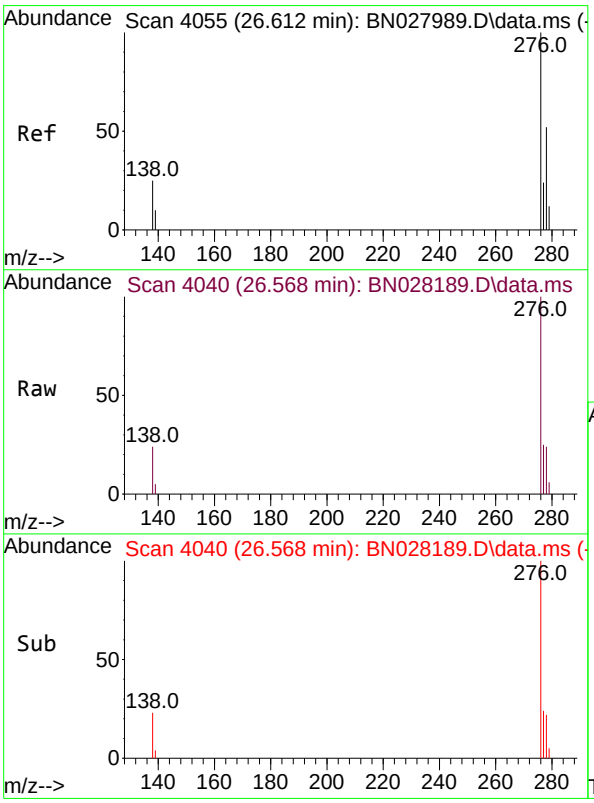
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.984 min Scan# 3
Delta R.T. 0.009 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:264 Resp: 24792

Ion	Ratio	Lower	Upper
264	100		
260	31.3	20.2	30.4#
265	157.5	54.8	82.2#

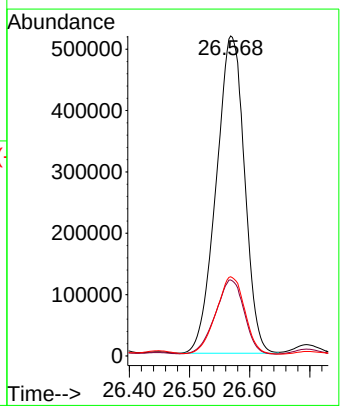


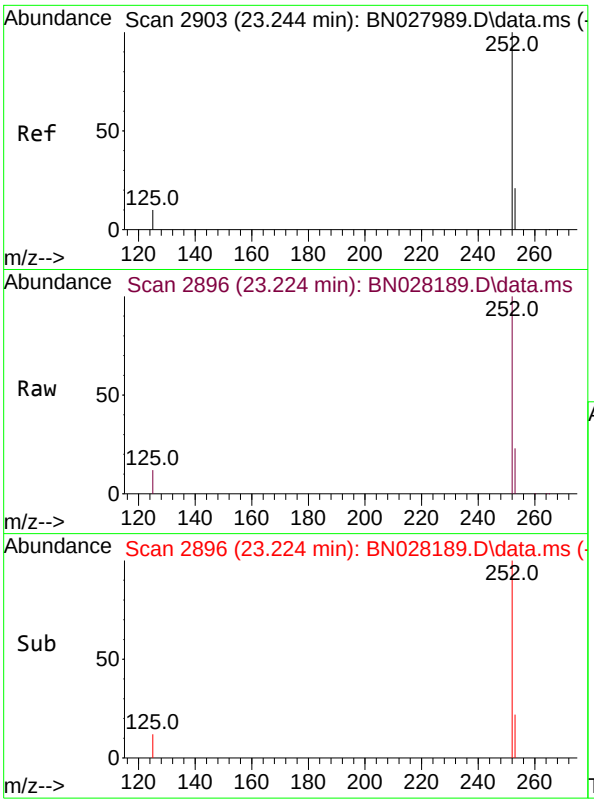


#36
Indeno(1,2,3-cd)pyrene
Concen: 20.254 ng
RT: 26.568 min Scan# 4040
Delta R.T. 0.011 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:276 Resp: 1689004

Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.9	31.3
277	24.6	19.8	29.6



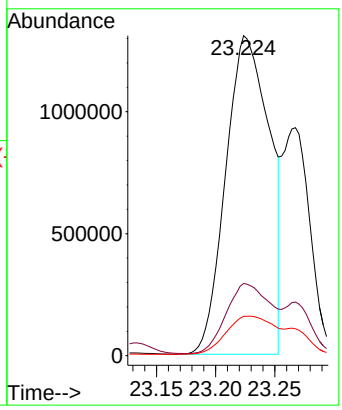


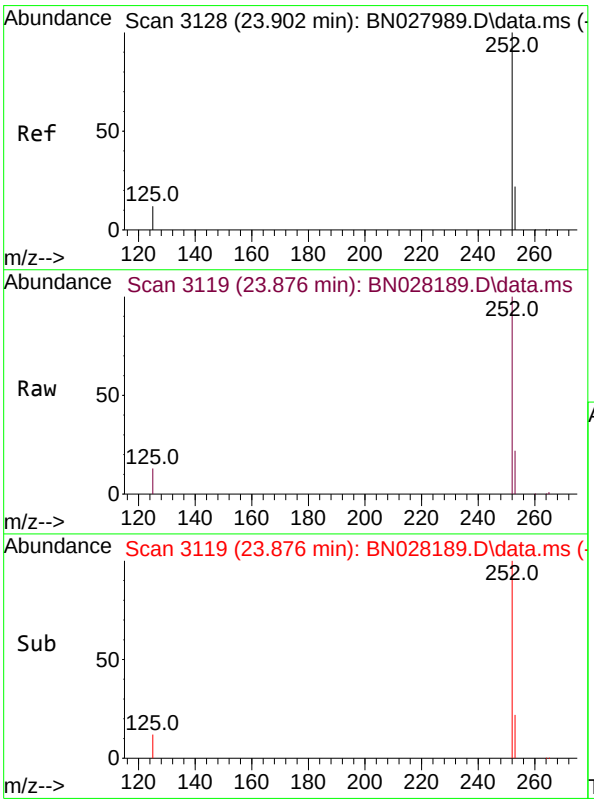
#37
Benzo(b)fluoranthene
Concen: 41.769 ng
RT: 23.224 min Scan# 2
Delta R.T. 0.011 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:252 Resp: 3344429

Ion	Ratio	Lower	Upper
252	100		
253	22.6	22.9	34.3#
125	12.3	13.8	20.8#

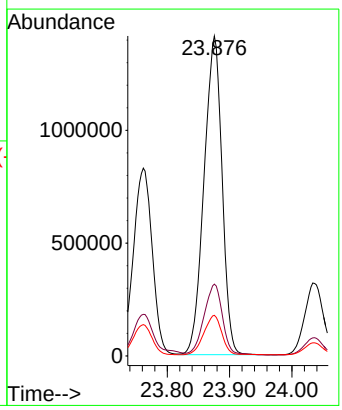


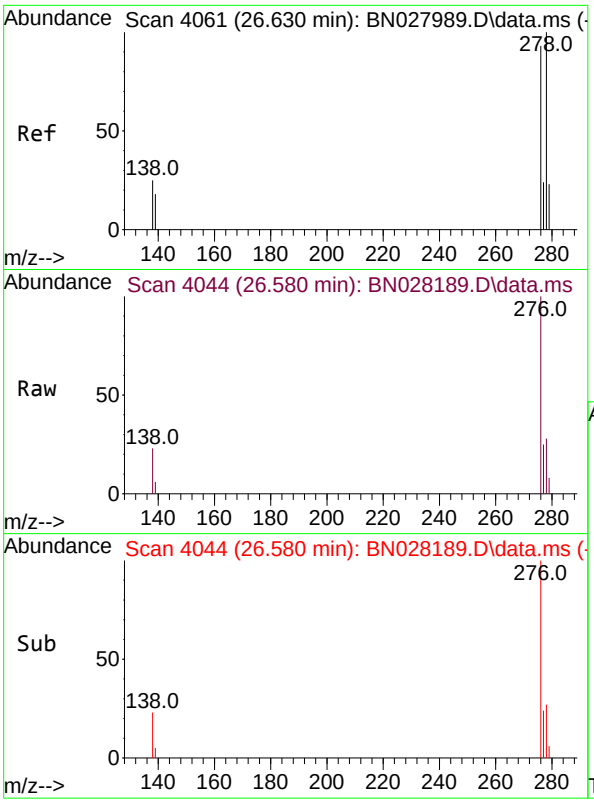


#39
Benzo(a)pyrene
Concen: 37.442 ng
RT: 23.876 min Scan# 3119
Delta R.T. 0.011 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:252 Resp: 2834812

Ion	Ratio	Lower	Upper
252	100		
253	22.5	25.0	37.4#
125	12.7	16.6	24.8#



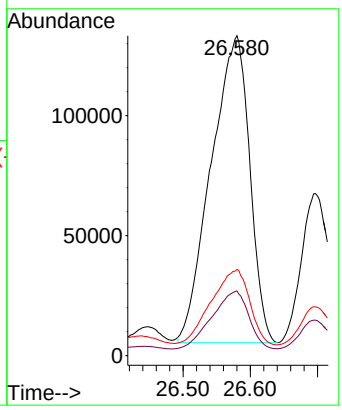


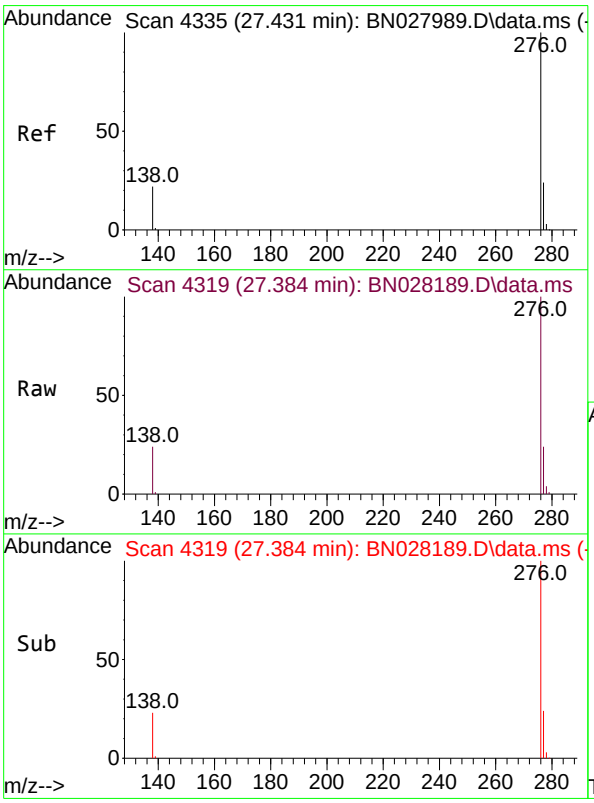
#40
Dibenzo(a,h)anthracene
Concen: 7.474 ng
RT: 26.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Instrument :
BNA_N
ClientSampleId :
I-1(0-5)MSD

Tgt Ion:278 Resp: 509888

Ion	Ratio	Lower	Upper
278	100		
139	20.2	17.7	26.5
279	27.0	25.2	37.8





#41
Benzo(g,h,i)perylene
Concen: 22.458 ng
RT: 27.384 min Scan# 4319
Delta R.T. 0.017 min
Lab File: BN028189.D
Acq: 10 Oct 2023 09:14

Tgt Ion:276 Resp: 1572550

Ion	Ratio	Lower	Upper
276	100		
277	24.1	22.1	33.1
138	23.7	20.8	31.2