Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112321\
Data File : BN017551.D
Acq On : 22 Nov 2021 18:58
Operator : CG/JU
Sample : PB140957BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Quant Time: Nov 23 02:40:18 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 14:57:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.865	152	29582	0.400	ng		0.00
7) Naphthalene-d8	10.649	136	132559	0.400	ng		#-0.01
13) Acenaphthene-d10	14.485	164	69635	0.400	ng		0.00
19) Phenanthrene-d10	17.226	188	132016	0.400	ng		0.00
29) Chrysene-d12	21.409	240	116527	0.400	ng		# 0.00
35) Perylene-d12	23.780	264	90344	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.440	112	24846	0.339	ng		0.00
5) Phenol-d6	7.026	99	28041	0.339	ng		0.00
8) Nitrobenzene-d5	9.001	82	29040	0.333	ng		-0.01
11) 2-Methylnaphthalene-d10	12.239	152	77913	0.353	ng		0.00
14) 2,4,6-Tribromophenol	15.970	330	6537	0.306	ng		0.00
15) 2-Fluorobiphenyl	13.115	172	93149	0.359	ng		0.00
27) Fluoranthene-d10	19.258	212	138682	0.342	ng		0.00
31) Terphenyl-d14	19.858	244	92805	0.363	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.384	88	4946	0.349	ng		97
3) n-Nitrosodimethylamine	3.715	42	9296	0.319	ng		95
6) bis(2-Chloroethyl)ether	7.284	93	31117	0.369	ng		95
9) Naphthalene	10.699	128	119330	0.355	ng		100
10) Hexachlorobutadiene	11.003	225	23593	0.356	ng	#	100
12) 2-Methylnaphthalene	12.311	142	77790	0.359	ng		96
16) Acenaphthylene	14.194	152	91455	0.329	ng		100
17) Acenaphthene	14.549	154	67141	0.350	ng		99
18) Fluorene	15.526	166	81205	0.351	ng		100
20) 4,6-Dinitro-2-methylph...	15.602	198	1637	0.386	ng		98
21) 4-Bromophenyl-phenylether	16.422	248	24492	0.338	ng	#	74
22) Hexachlorobenzene	16.544	284	27598	0.352	ng		95
23) Atrazine	16.690	200	15262	0.318	ng		97
24) Pentachlorophenol	16.885	266	4859	0.338	ng		99
25) Phenanthrene	17.262	178	131478	0.356	ng		100
26) Anthracene	17.359	178	105148	0.333	ng		100
28) Fluoranthene	19.287	202	145623	0.356	ng		100
30) Pyrene	19.650	202	144778	0.367	ng		100
32) Benzo(a)anthracene	21.398	228	121300	0.334	ng		99
33) Chrysene	21.451	228	138236	0.357	ng		99
34) Bis(2-ethylhexyl)phtha...	21.335	149	47866	0.345	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.224	276	82208	0.298	ng	#	95
37) Benzo(b)fluoranthene	23.061	252	118767	0.361	ng		99
38) Benzo(k)fluoranthene	23.109	252	115829	0.363	ng		98
39) Benzo(a)pyrene	23.677	252	91590	0.338	ng		99
40) Dibenzo(a,h)anthracene	26.244	278	65133	0.288	ng	#	92
41) Benzo(g,h,i)perylene	26.967	276	71016	0.301	ng		97

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

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Instrument :
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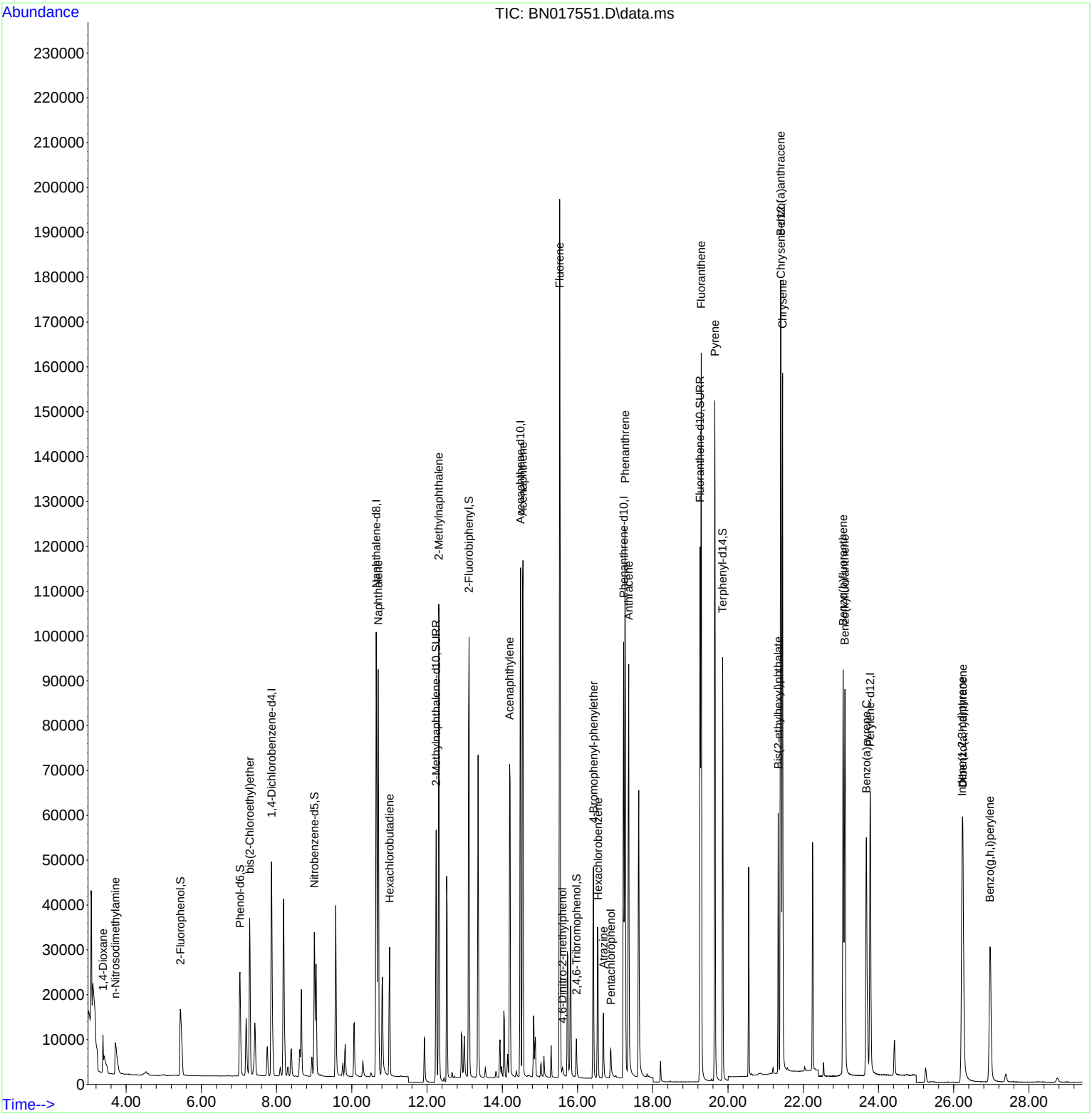
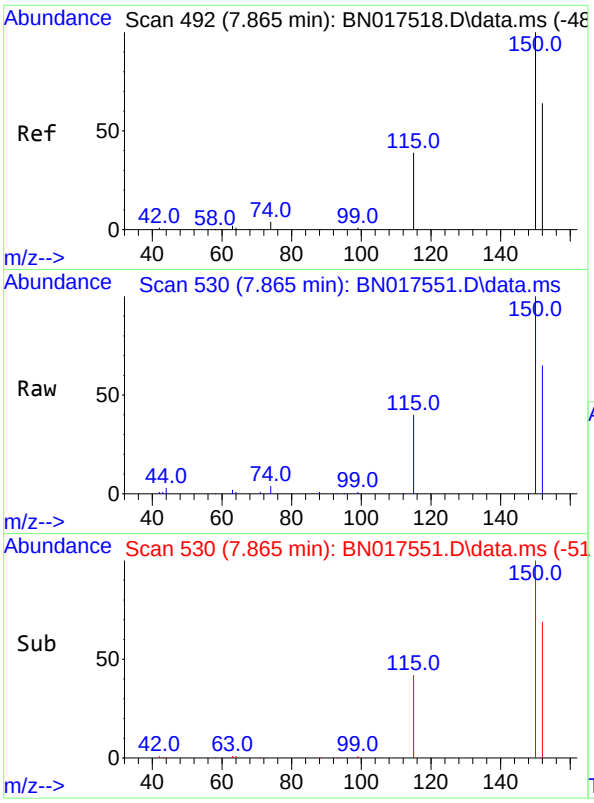
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 14:57:14 2021
Response via : Initial Calibration



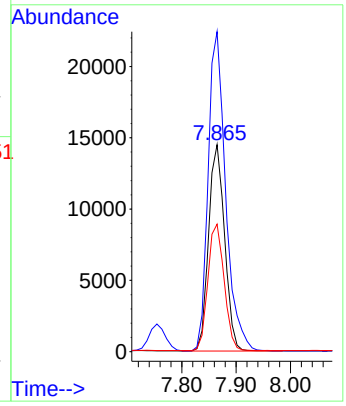


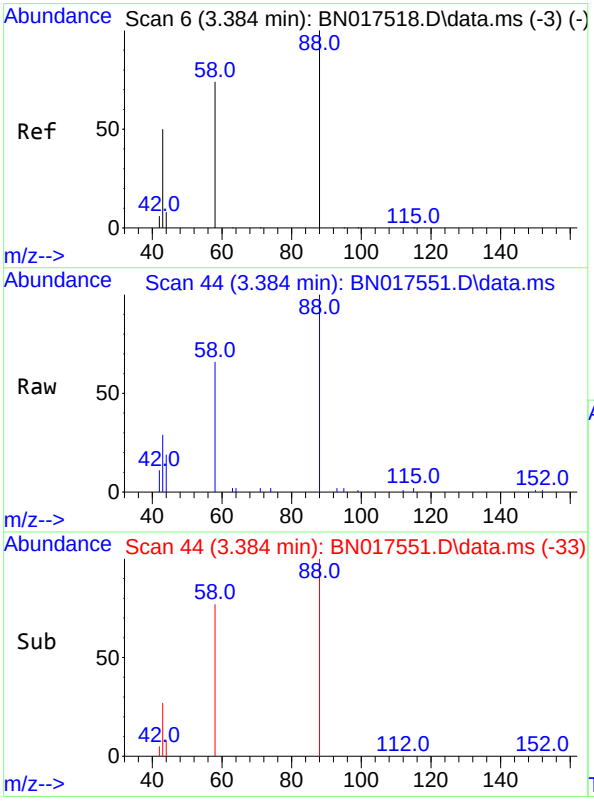
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.865 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:152 Resp: 29582

Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.0	184.4
115	61.6	45.6	68.4

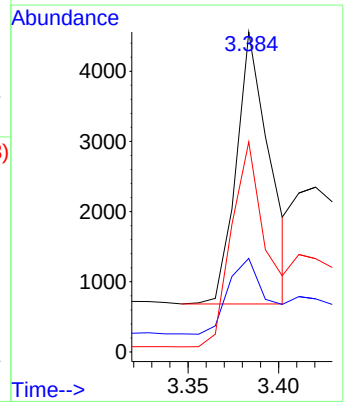


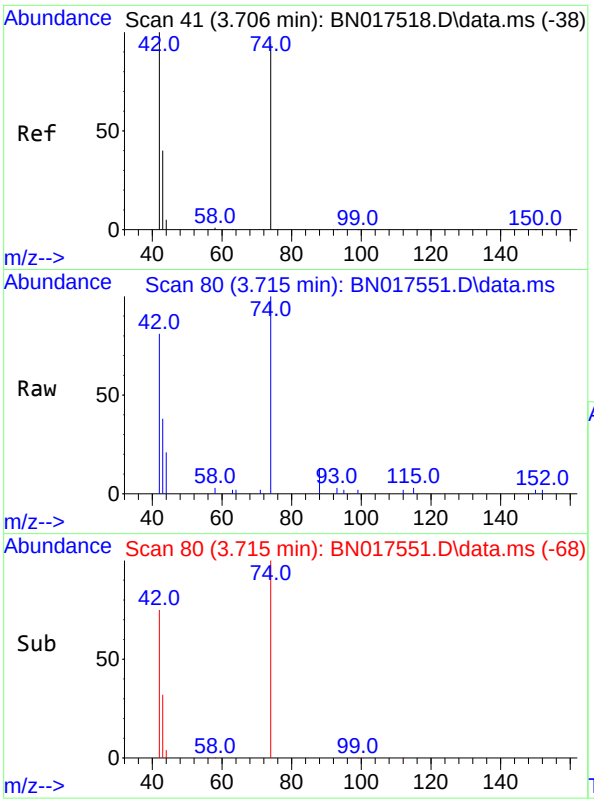


#2
1,4-Dioxane
Concen: 0.349 ng
RT: 3.384 min Scan# 44
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion: 88 Resp: 4946

Ion	Ratio	Lower	Upper
88	100		
43	32.6	24.7	37.1
58	81.0	63.0	94.6



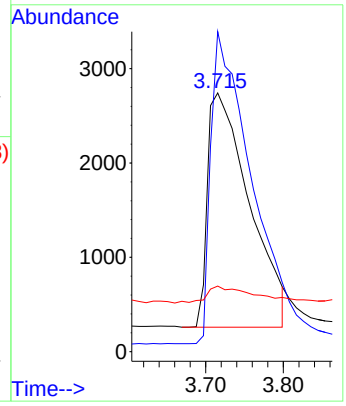


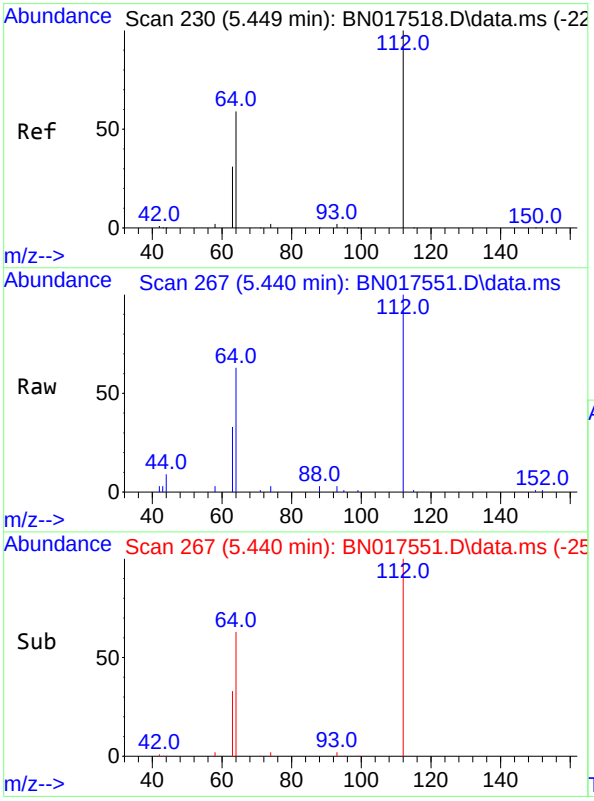
#3
n-Nitrosodimethylamine
Concen: 0.319 ng
RT: 3.715 min Scan# 8
Delta R.T. 0.009 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion: 42 Resp: 9296

Ion	Ratio	Lower	Upper
42	100		
74	127.5	97.8	146.6
44	7.4	5.5	8.3

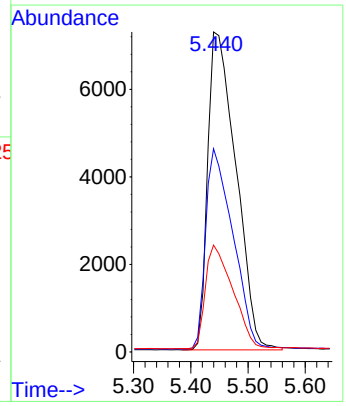


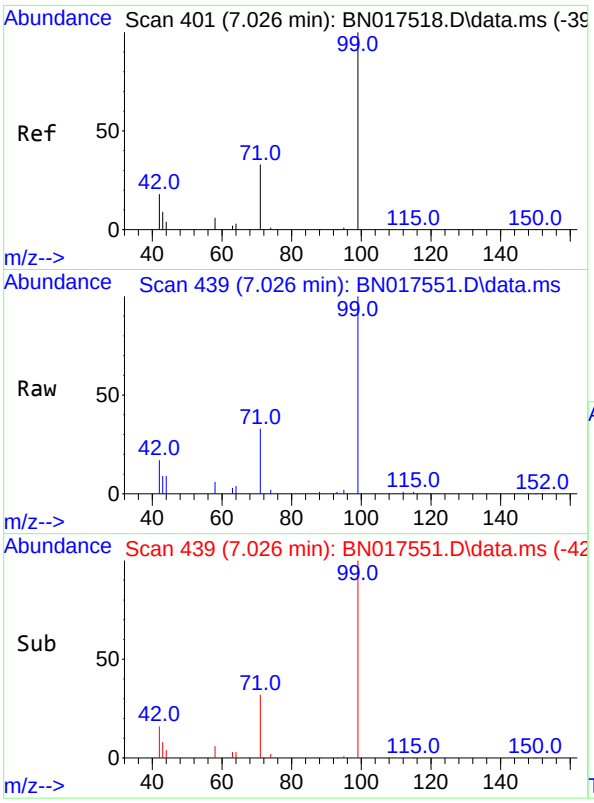


#4
2-Fluorophenol
Concen: 0.339 ng
RT: 5.440 min Scan# 267
Delta R.T. -0.009 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:112 Resp: 24846

Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.6	71.4
63	31.9	24.6	37.0



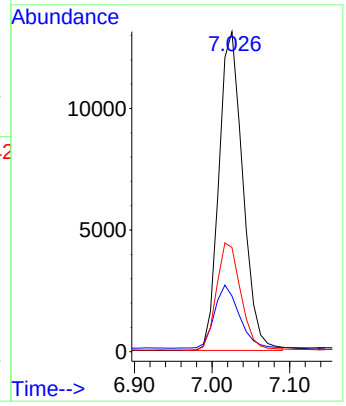


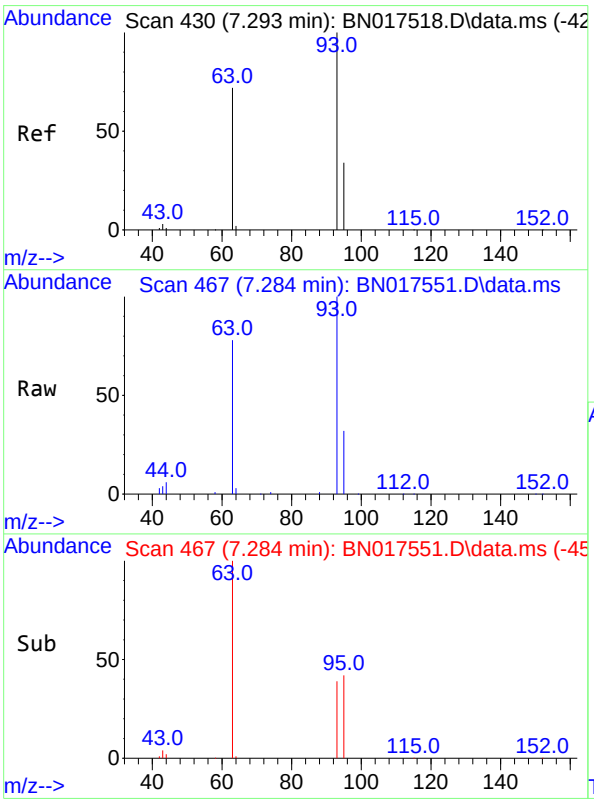
#5
Phenol-d6
Concen: 0.339 ng
RT: 7.026 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion: 99 Resp: 28041

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.6
71	34.1	24.8	37.2

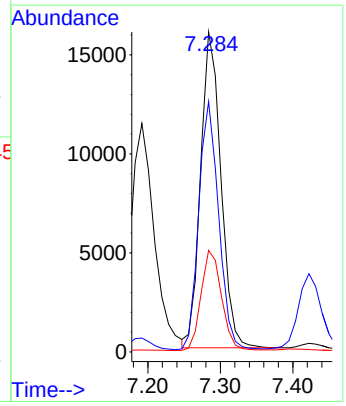


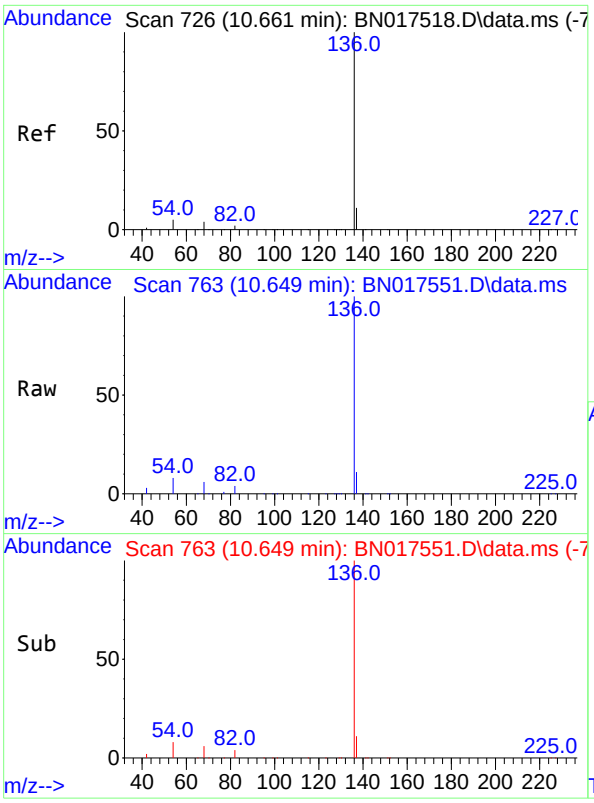


#6
bis(2-Chloroethyl)ether
Concen: 0.369 ng
RT: 7.284 min Scan# 467
Delta R.T. -0.009 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion: 93 Resp: 31117

Ion	Ratio	Lower	Upper
93	100		
63	76.9	65.8	98.6
95	32.0	26.6	39.8



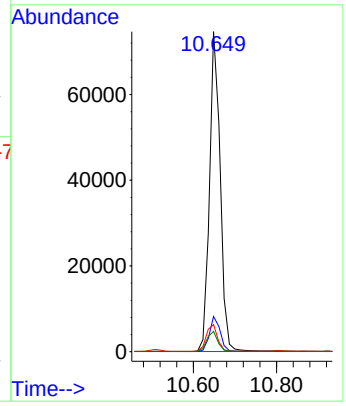


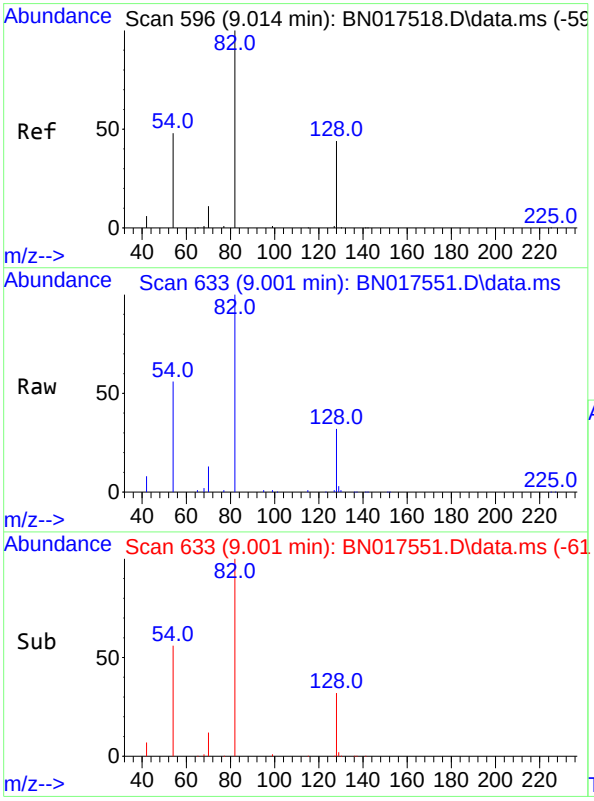
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.649 min Scan# 7
Delta R.T. -0.012 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:136 Resp: 132559

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.5	4.0	6.0#
68	6.4	3.0	4.6#

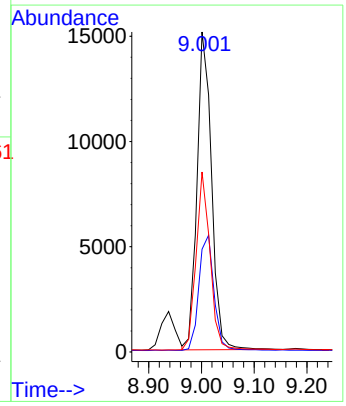


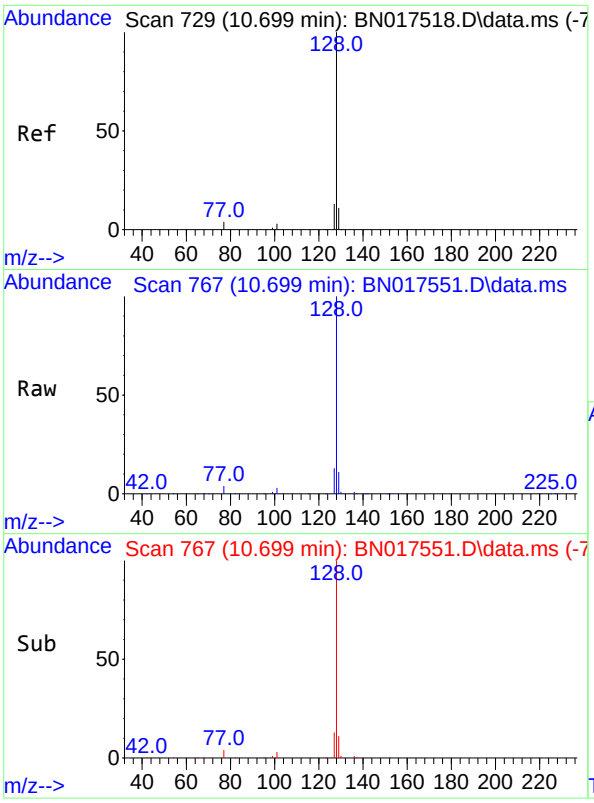


#8
Nitrobenzene-d5
Concen: 0.333 ng
RT: 9.001 min Scan# 633
Delta R.T. -0.013 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion: 82 Resp: 29040

Ion	Ratio	Lower	Upper
82	100		
128	32.1	27.7	41.5
54	56.2	49.2	73.8



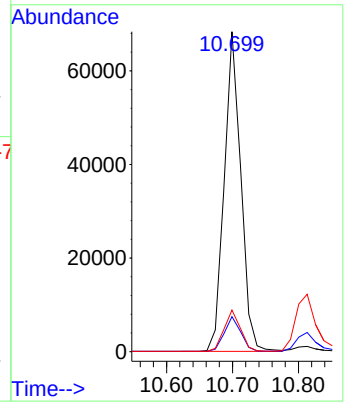


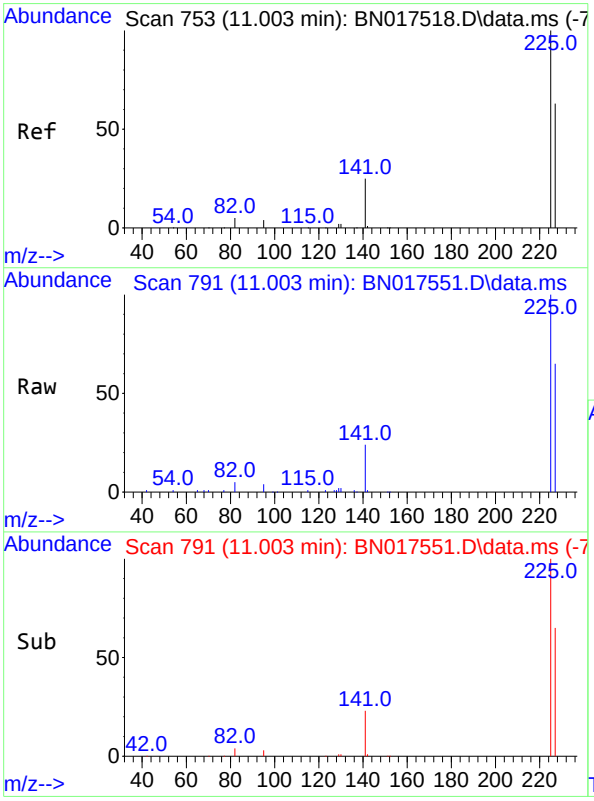
#9
Naphthalene
Concen: 0.355 ng
RT: 10.699 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:128 Resp: 119330

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.6	15.8

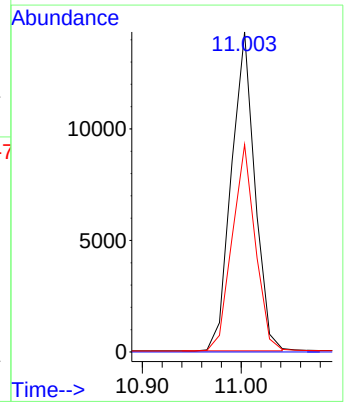


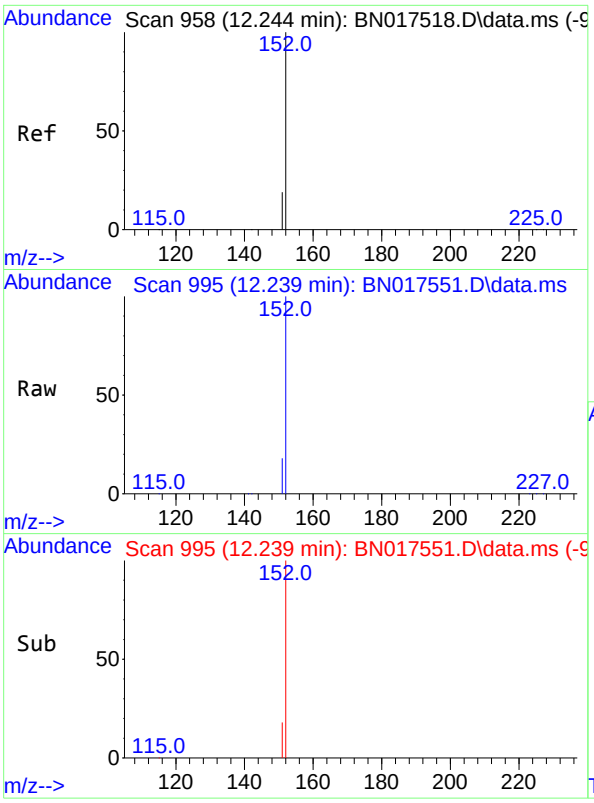


#10
Hexachlorobutadiene
Concen: 0.356 ng
RT: 11.003 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:225 Resp: 23593

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.1	76.7



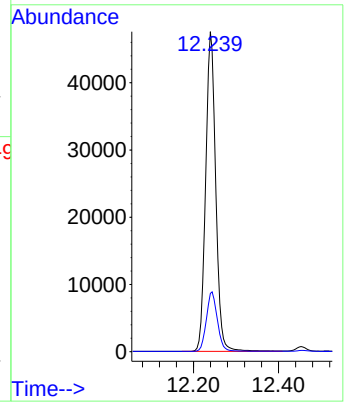


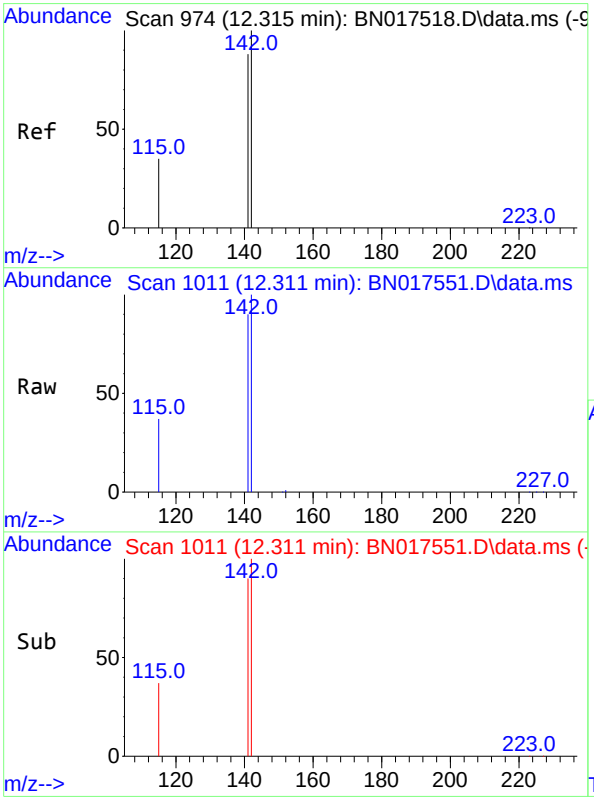
#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 12.239 min Scan# 9
Delta R.T. -0.005 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:152 Resp: 77913

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

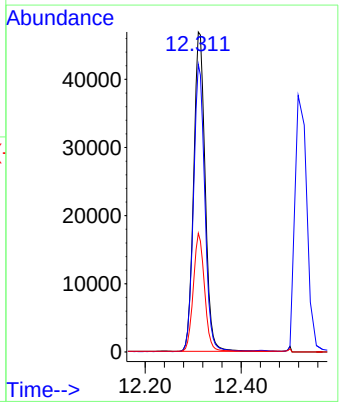


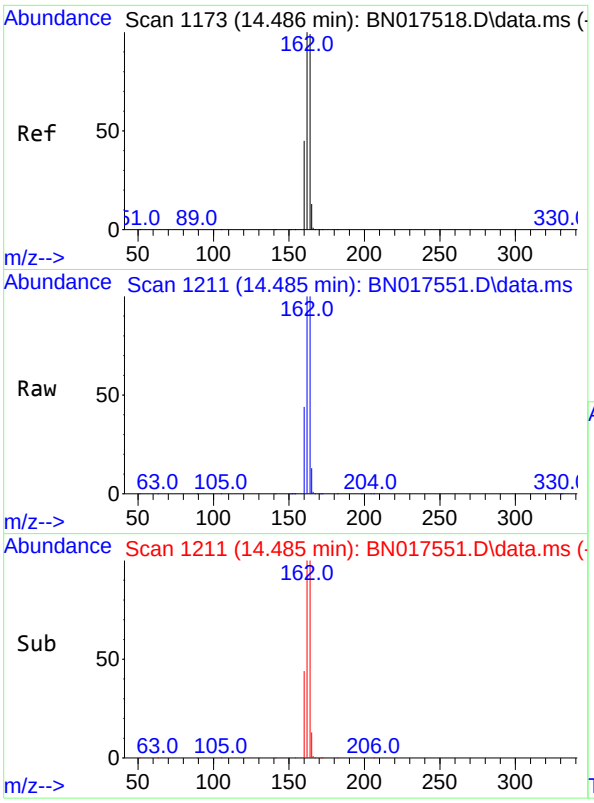


#12
2-Methylnaphthalene
Concen: 0.359 ng
RT: 12.311 min Scan# 1011
Delta R.T. -0.004 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:142 Resp: 77790

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.6	106.0
115	37.1	25.8	38.6



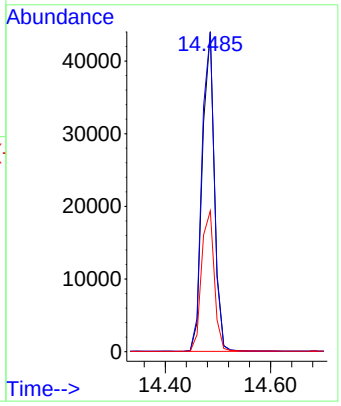


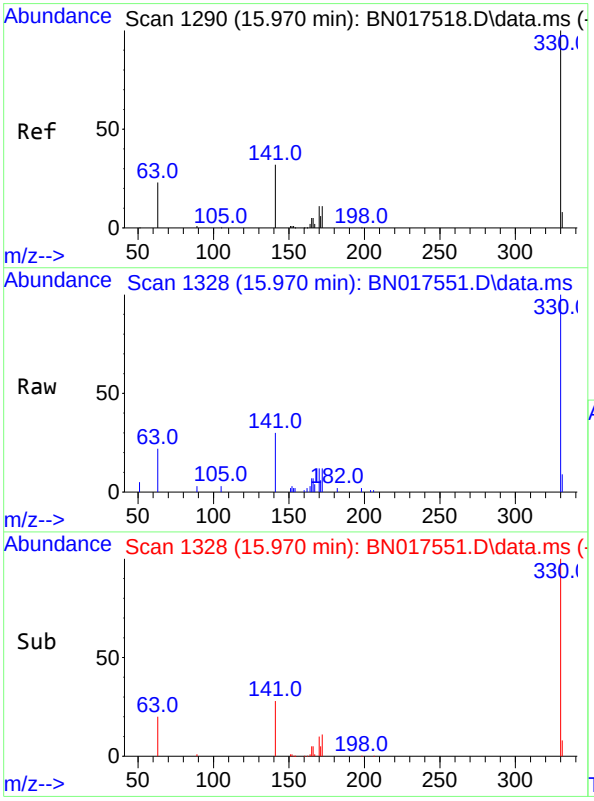
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.485 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:164 Resp: 69635

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.4	122.2
160	44.0	36.8	55.2

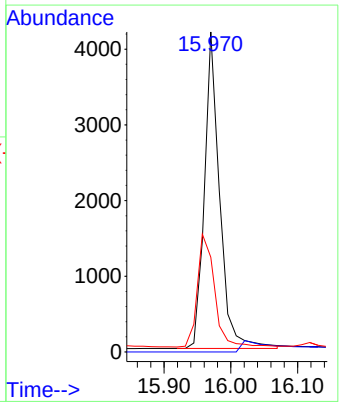


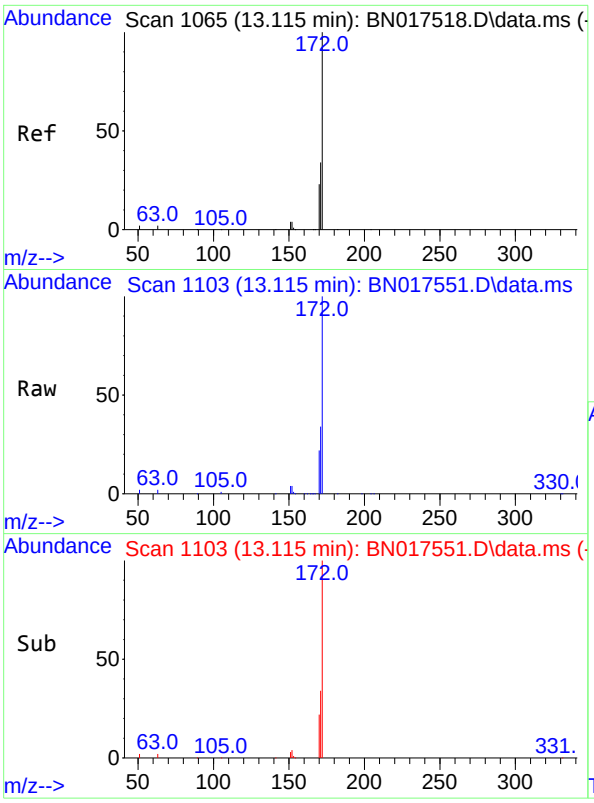


#14
2,4,6-Tribromophenol
Concen: 0.306 ng
RT: 15.970 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:330 Resp: 6537

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.0	28.9	43.3



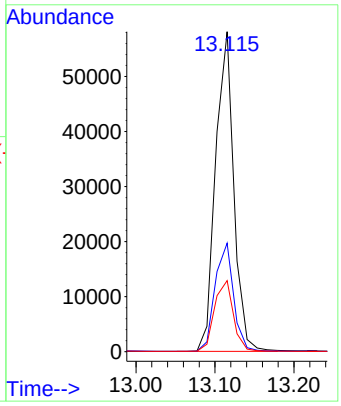


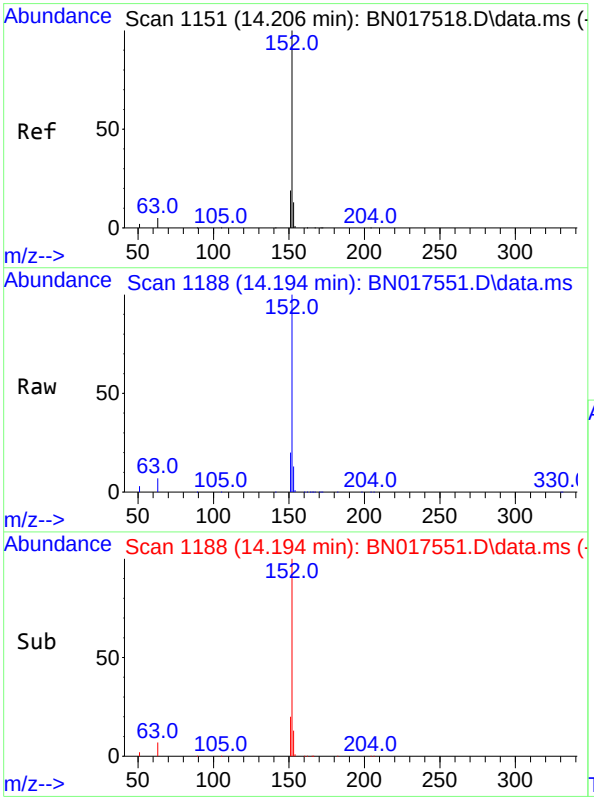
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 13.115 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:172 Resp: 93149

Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.7	43.1
170	22.2	19.4	29.2

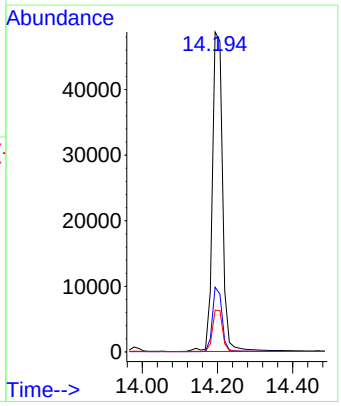


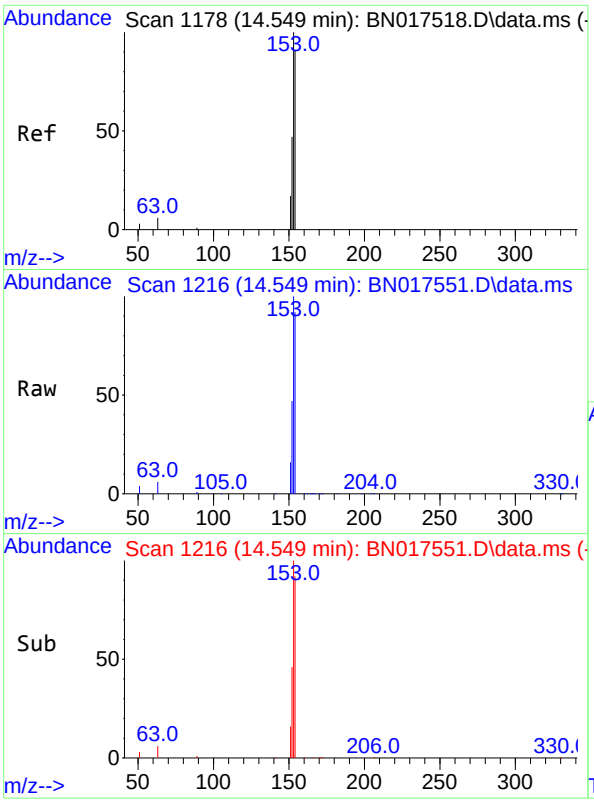


#16
Acenaphthylene
Concen: 0.329 ng
RT: 14.194 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:152 Resp: 91455

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	13.1	10.4	15.6



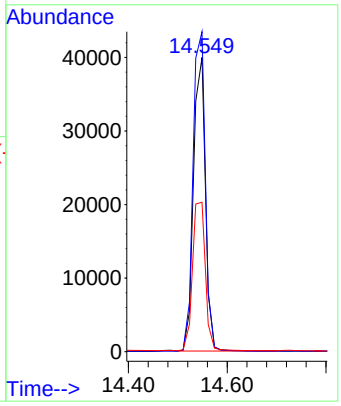


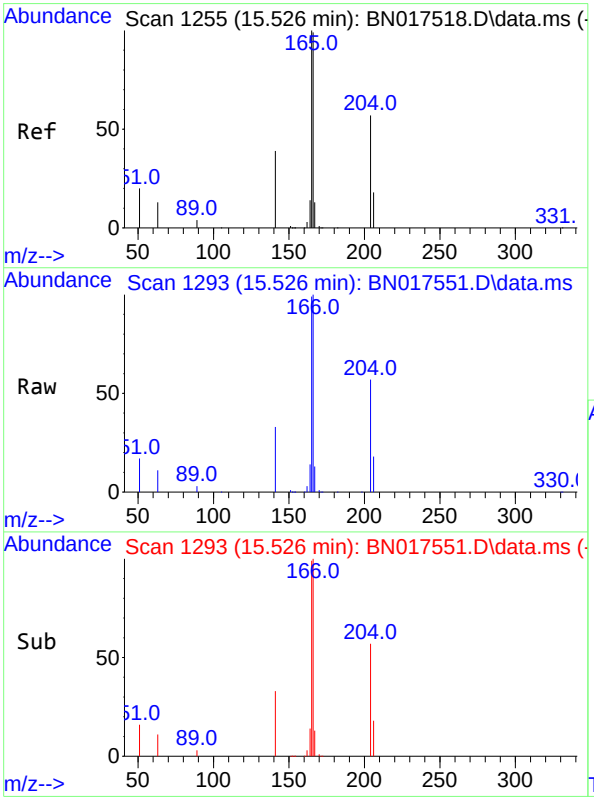
#17
Acenaphthene
Concen: 0.350 ng
RT: 14.549 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:154 Resp: 67141

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.2	136.8
152	54.7	44.3	66.5

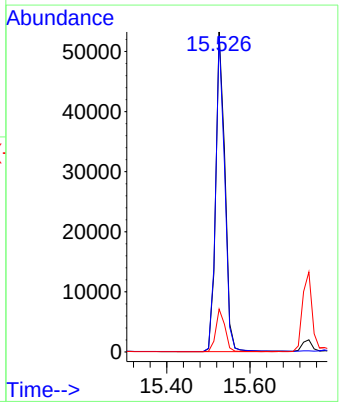


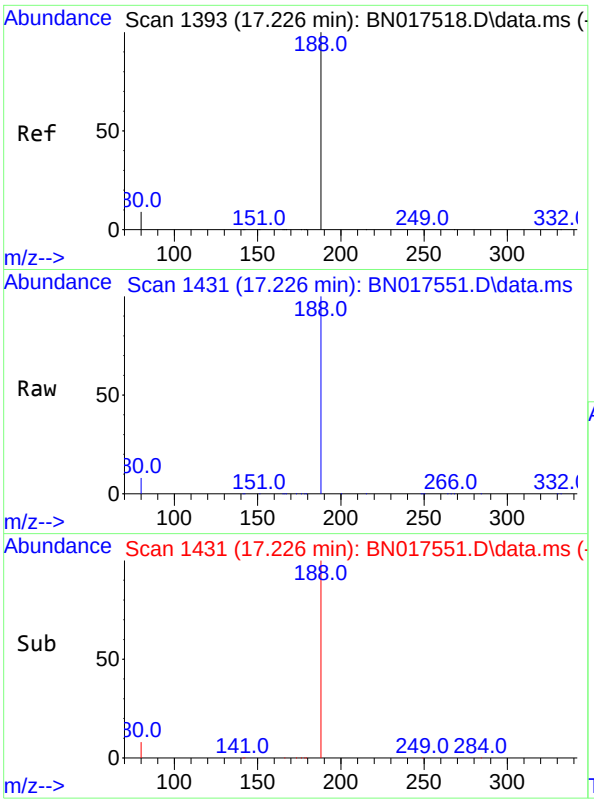


#18
Fluorene
Concen: 0.351 ng
RT: 15.526 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:166 Resp: 81205

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.9	116.9
167	13.4	10.9	16.3



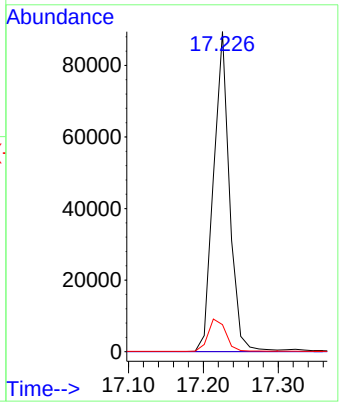


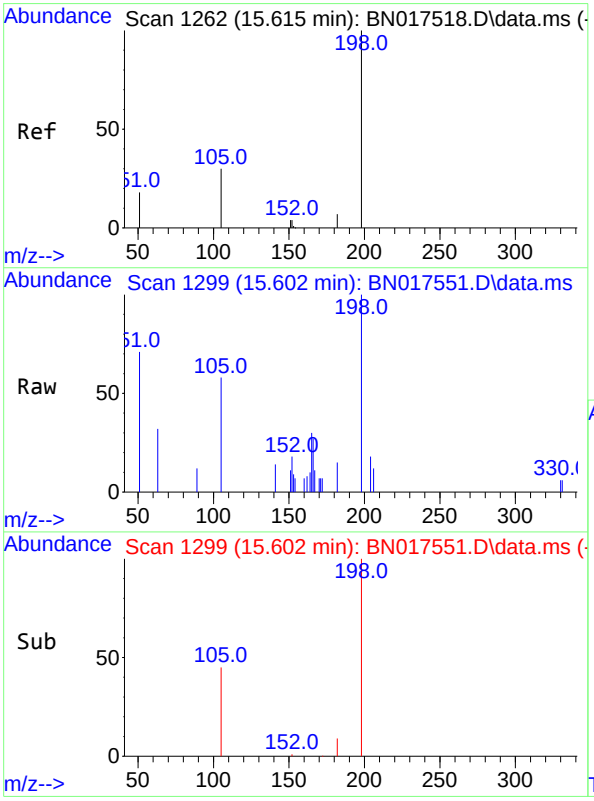
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.226 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:188 Resp: 132016

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	6.1	9.1

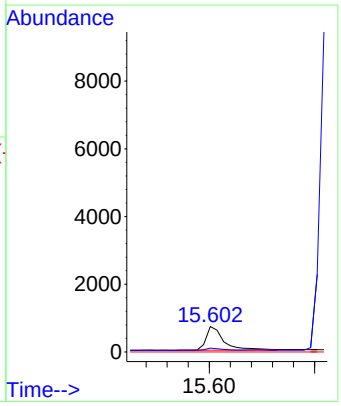


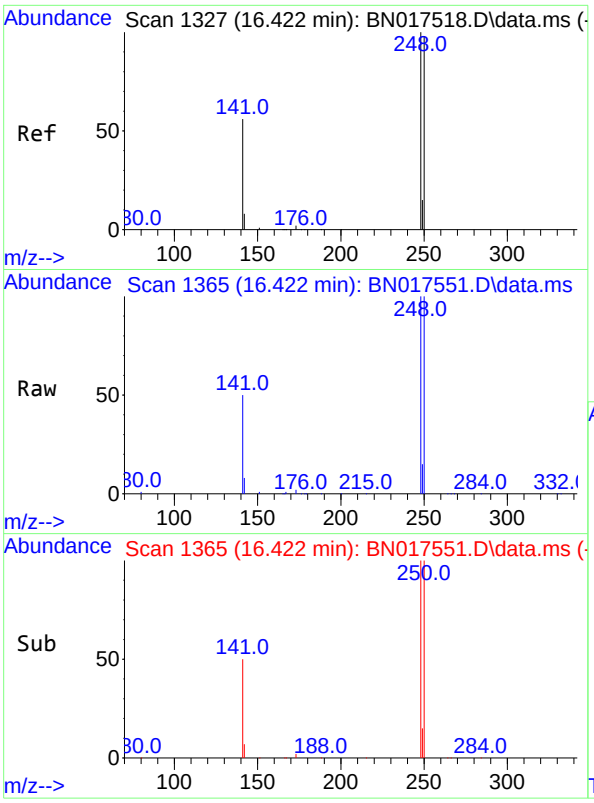


#20
4,6-Dinitro-2-methylphenol
Concen: 0.386 ng
RT: 15.602 min Scan# 1299
Delta R.T. -0.013 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:198 Resp: 1637

Ion	Ratio	Lower	Upper
198	100		
182	15.3	11.4	17.2
77	0.0	0.0	0.0



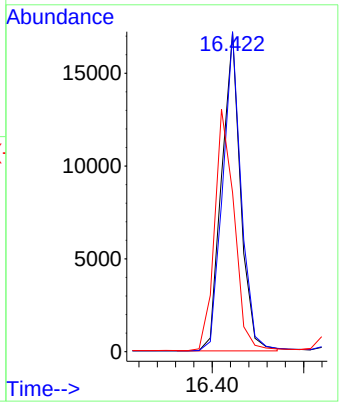


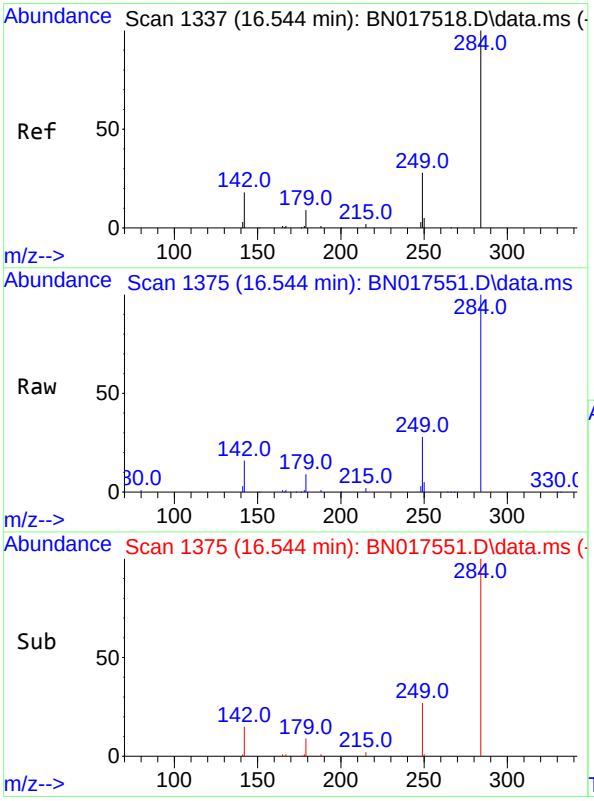
#21
4-Bromophenyl-phenylether
Concen: 0.338 ng
RT: 16.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:248 Resp: 24492

Ion	Ratio	Lower	Upper
248	100		
250	100.4	71.8	107.8
141	49.9	70.9	106.3#

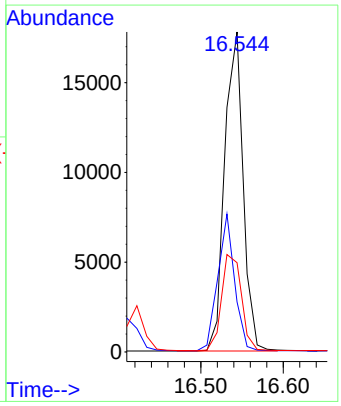


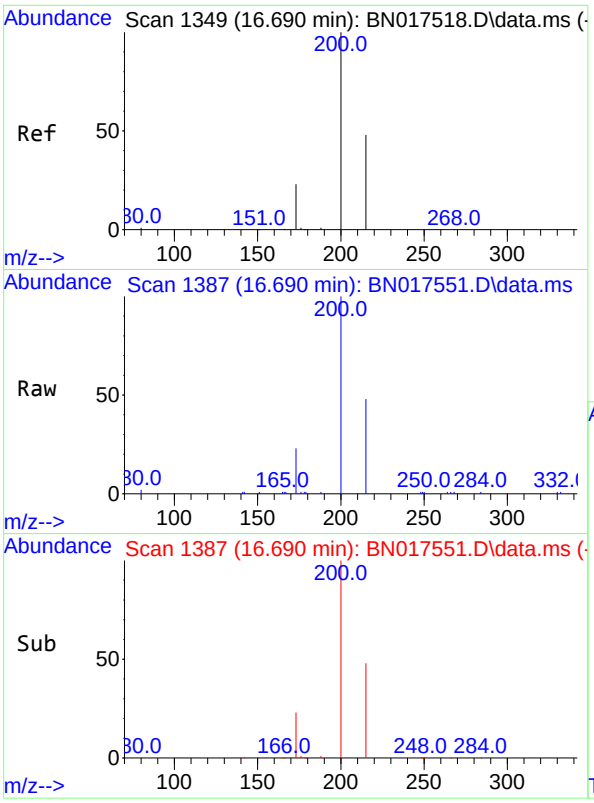


#22
Hexachlorobenzene
Concen: 0.352 ng
RT: 16.544 min Scan# 1375
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:284 Resp: 27598

Ion	Ratio	Lower	Upper
284	100		
142	39.0	28.2	42.2
249	32.4	24.4	36.6



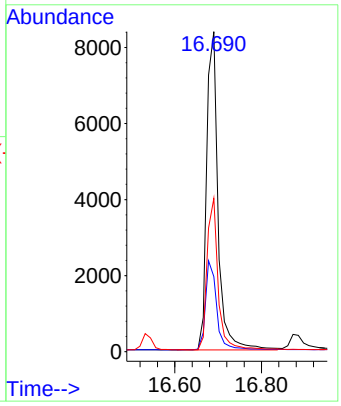


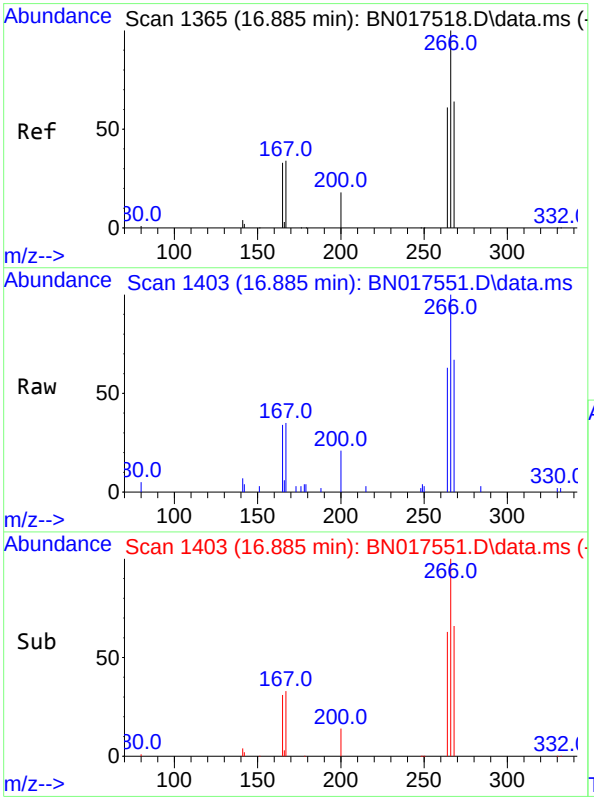
#23
Atrazine
Concen: 0.318 ng
RT: 16.690 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:200 Resp: 15262

Ion	Ratio	Lower	Upper
200	100		
173	23.5	17.6	26.4
215	47.9	40.2	60.4

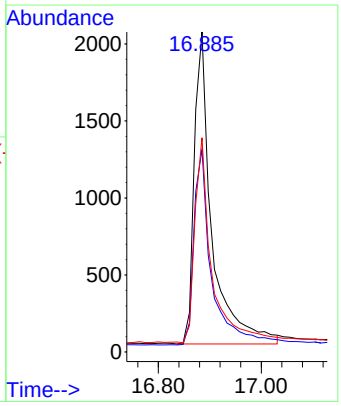


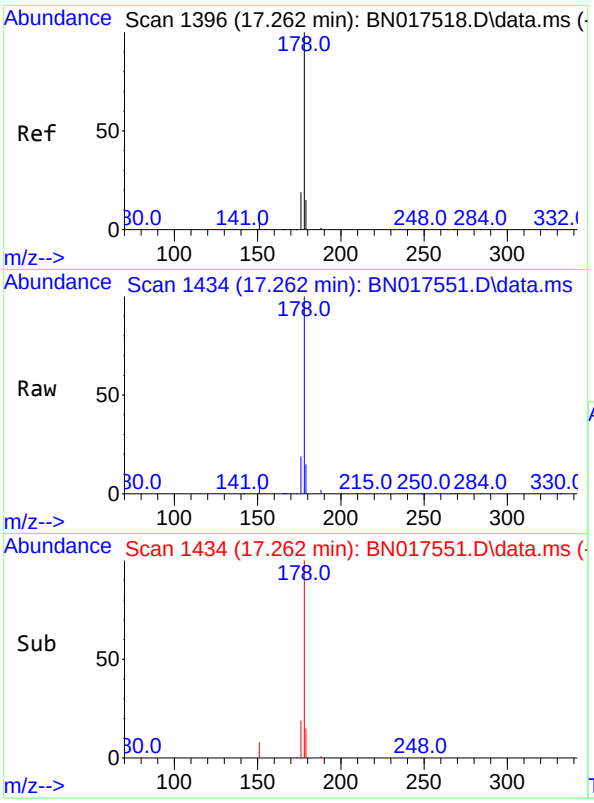


#24
Pentachlorophenol
Concen: 0.338 ng
RT: 16.885 min Scan# 1403
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:266 Resp: 4859

Ion	Ratio	Lower	Upper
266	100		
264	62.5	49.8	74.8
268	62.4	51.3	76.9



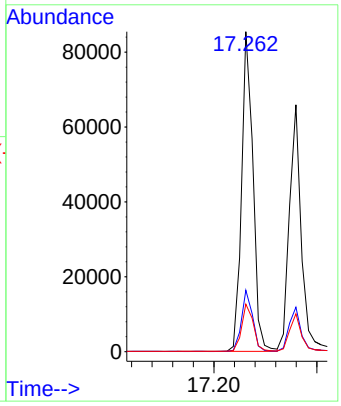


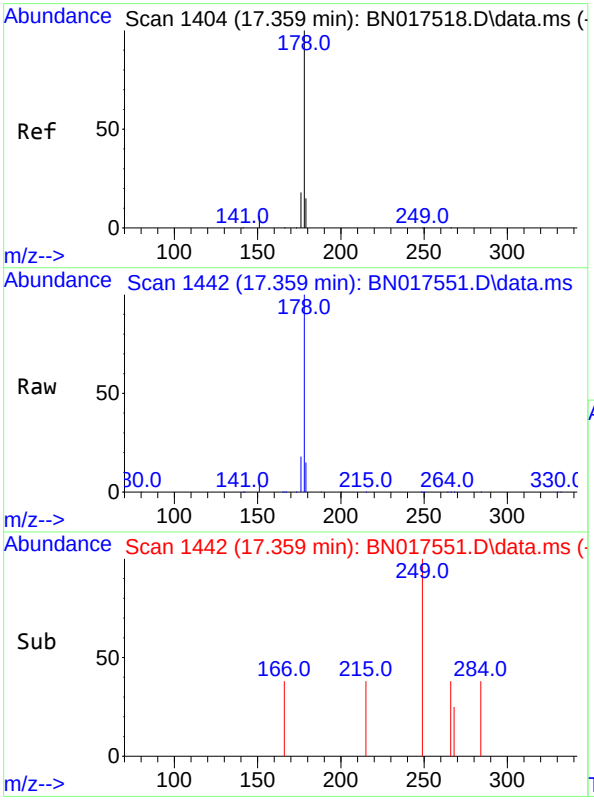
#25
Phenanthrene
Concen: 0.356 ng
RT: 17.262 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:178 Resp: 131478

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.4	12.3	18.5

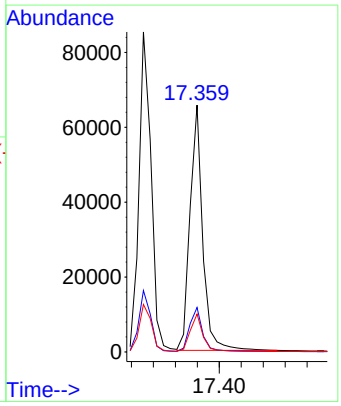


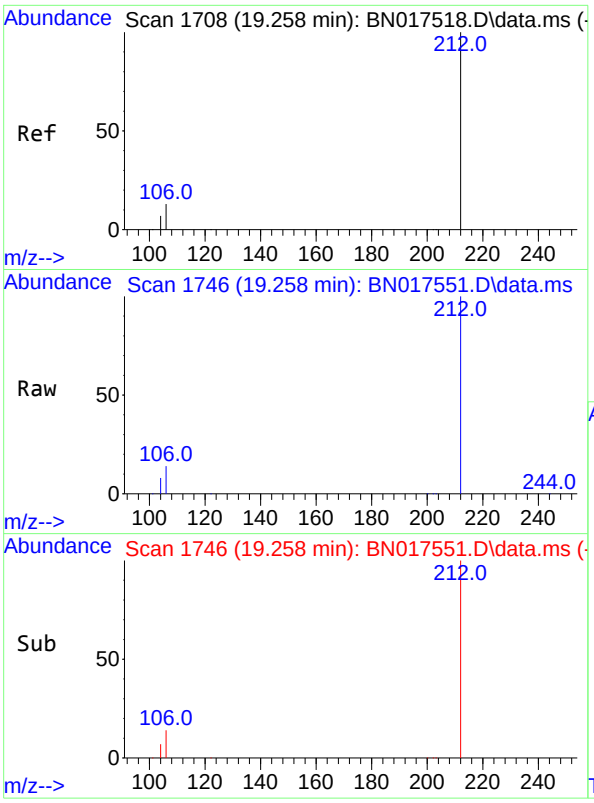


#26
Anthracene
Concen: 0.333 ng
RT: 17.359 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:178 Resp: 105148

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.1	12.2	18.4



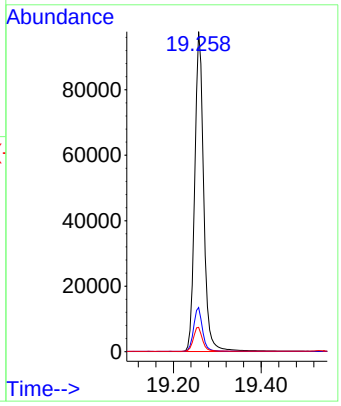


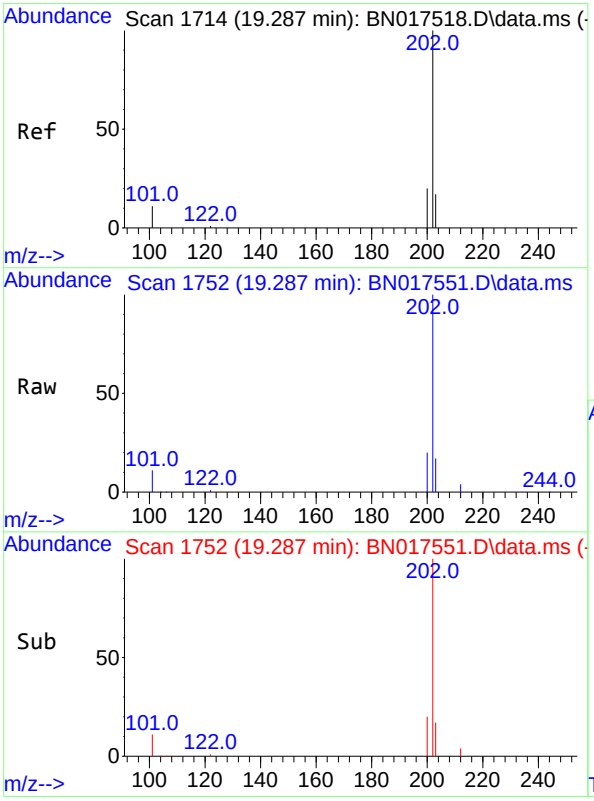
#27
Fluoranthene-d10
Concen: 0.342 ng
RT: 19.258 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:212 Resp: 138682

Ion	Ratio	Lower	Upper
212	100		
106	13.8	10.5	15.7
104	7.6	5.8	8.6

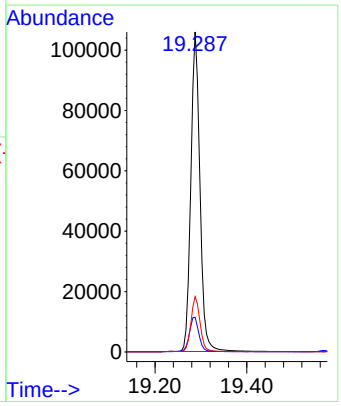


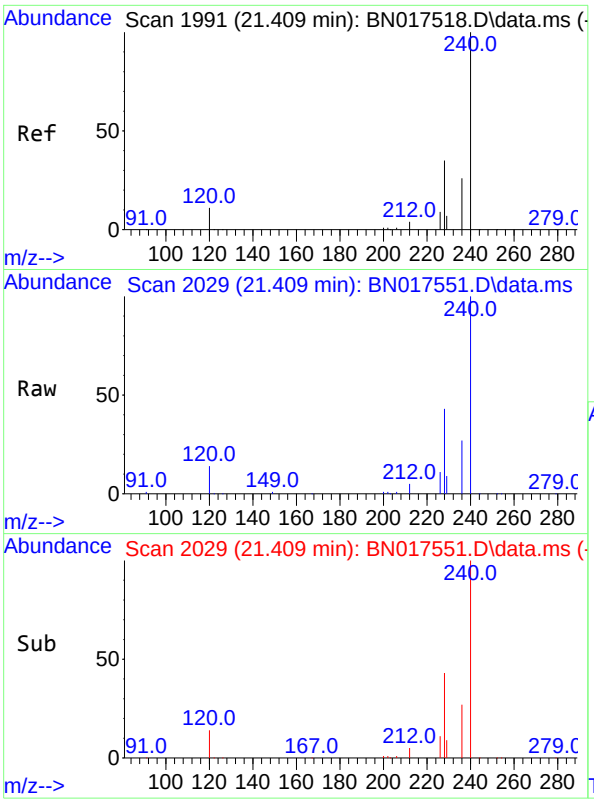


#28
Fluoranthene
Concen: 0.356 ng
RT: 19.287 min Scan# 1752
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:202 Resp: 145623

Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.9	13.3
203	17.2	13.8	20.6



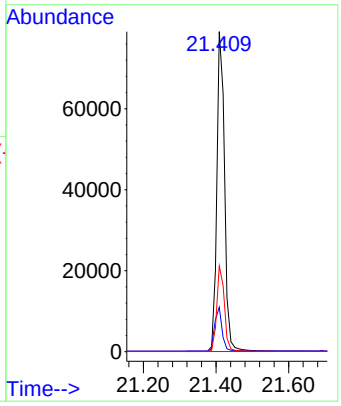


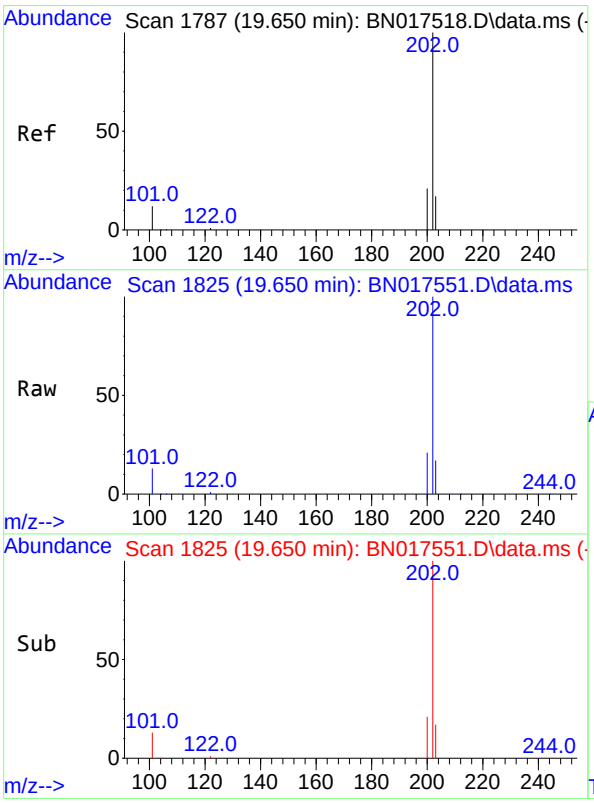
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.409 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:240 Resp: 116527

Ion	Ratio	Lower	Upper
240	100		
120	13.9	4.2	6.2#
236	26.8	20.0	30.0

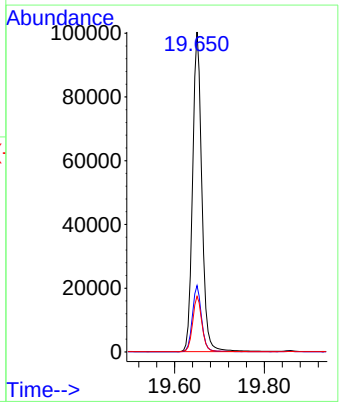


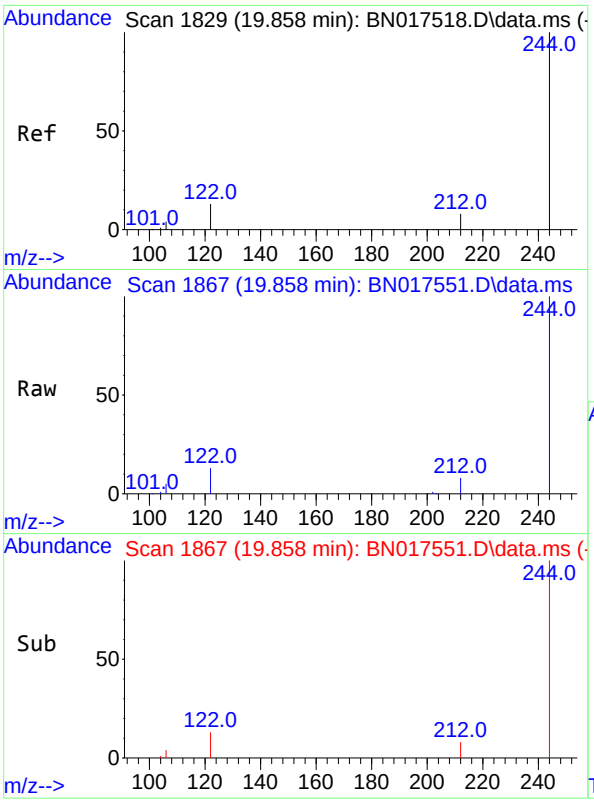


#30
Pyrene
Concen: 0.367 ng
RT: 19.650 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:202 Resp: 144778

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.3	14.0	21.0



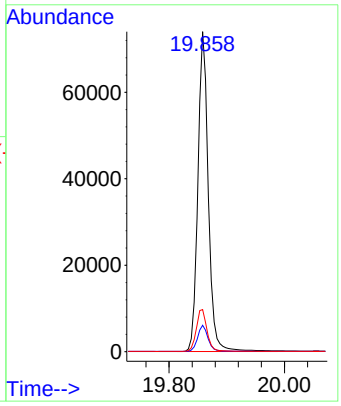


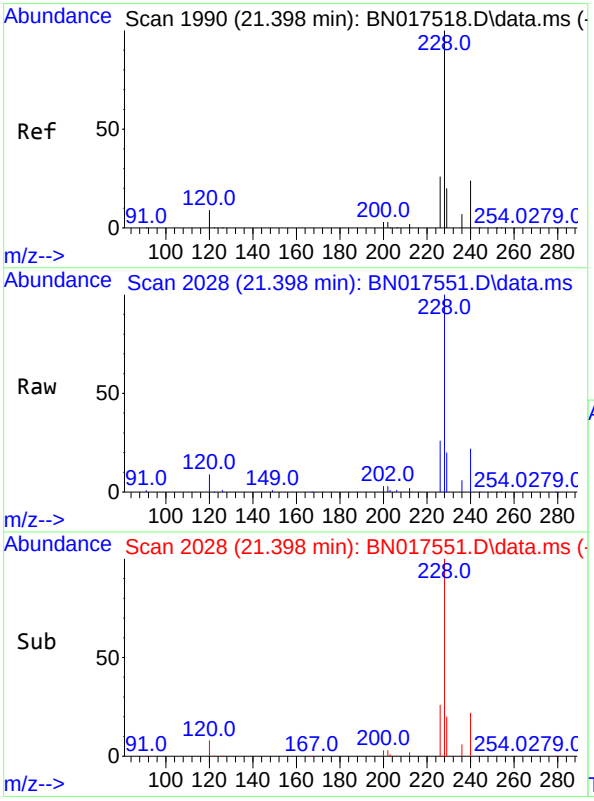
#31
Terphenyl-d14
Concen: 0.363 ng
RT: 19.858 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:244 Resp: 92805

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.7	8.5
122	13.2	8.6	13.0#

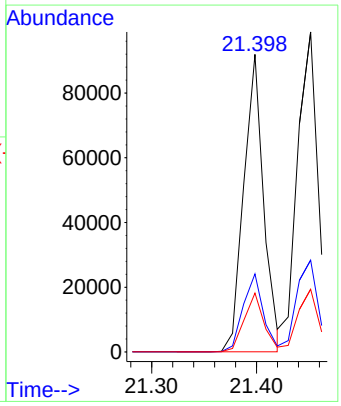


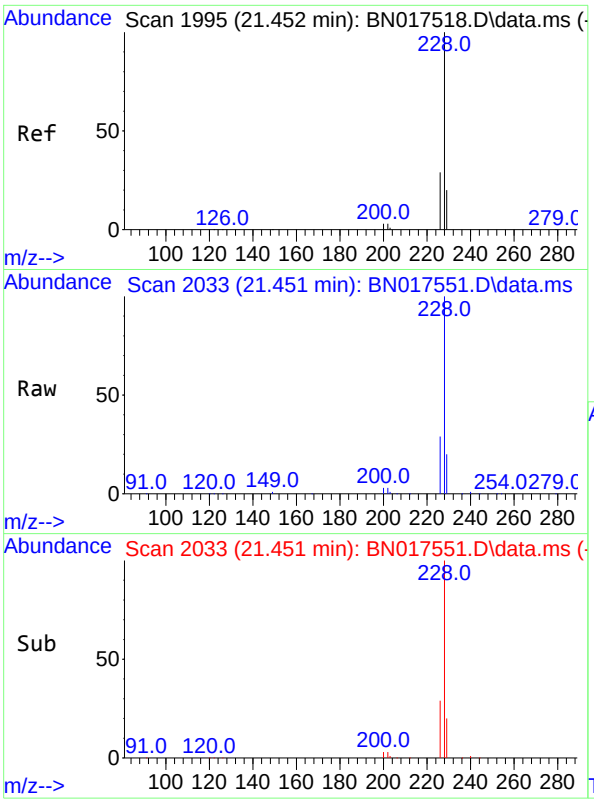


#32
Benzo(a)anthracene
Concen: 0.334 ng
RT: 21.398 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:228 Resp: 121300

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.3	31.9
229	19.8	15.7	23.5



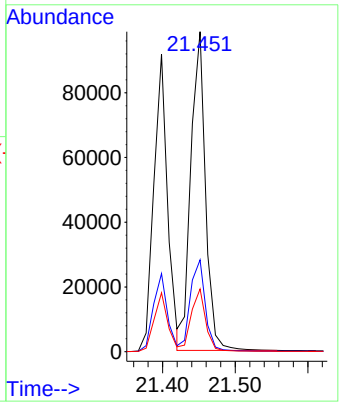


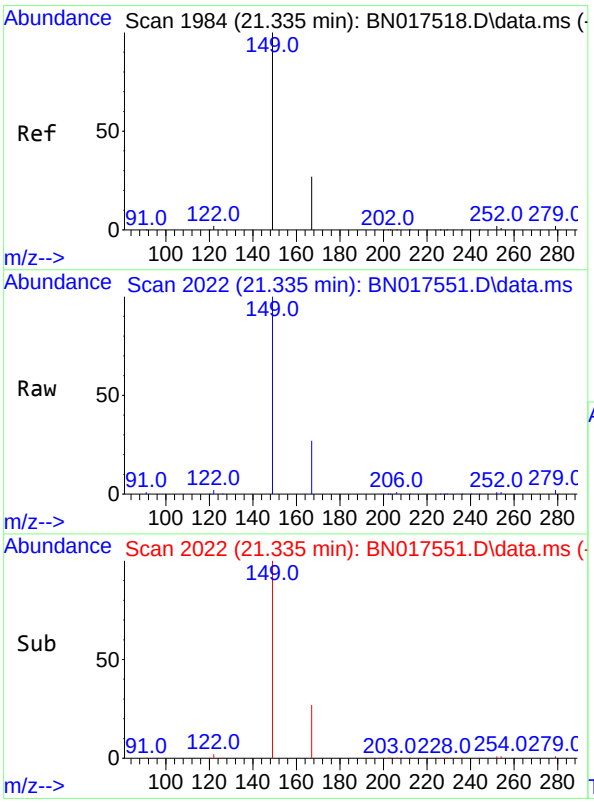
#33
Chrysene
Concen: 0.357 ng
RT: 21.451 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:228 Resp: 138236

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.3	34.9
229	19.6	15.6	23.4

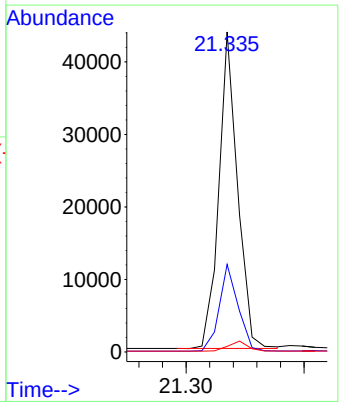


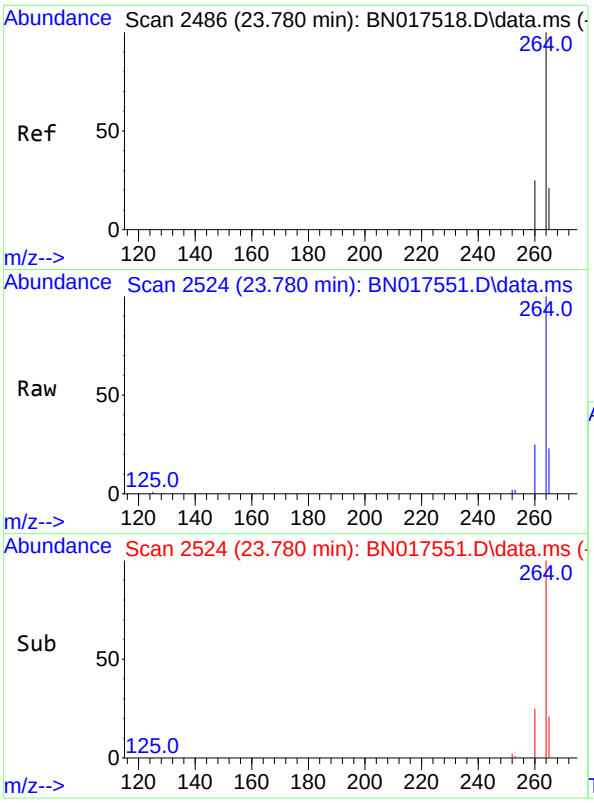


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.345 ng
RT: 21.335 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:149 Resp: 47866

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.8	32.6
279	3.3	3.4	5.0#



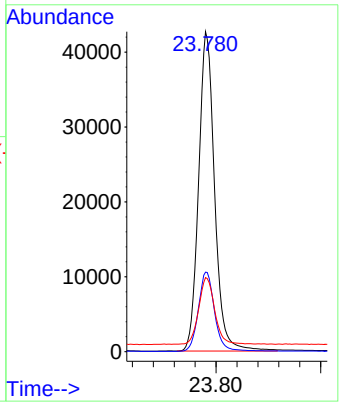


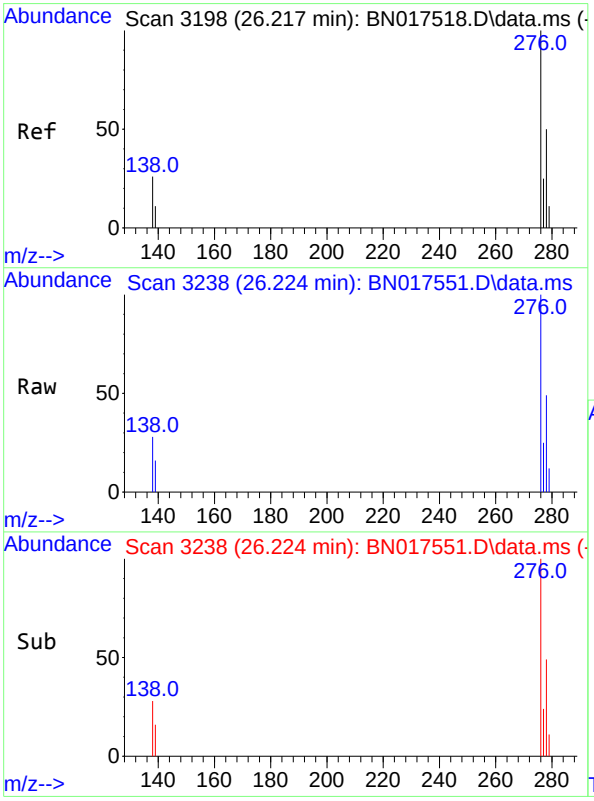
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:264 Resp: 90344

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	23.1	18.6	28.0

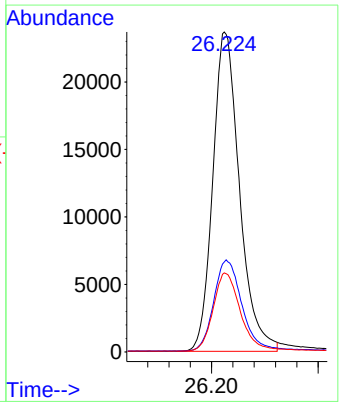


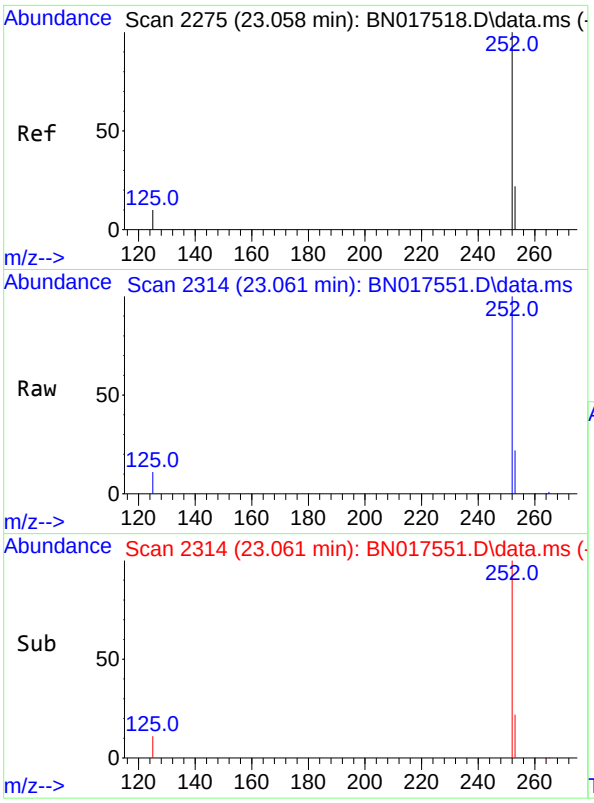


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.298 ng
RT: 26.224 min Scan# 3238
Delta R.T. 0.007 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:276 Resp: 82208

Ion	Ratio	Lower	Upper
276	100		
138	29.8	19.7	29.5#
277	24.9	20.0	30.0



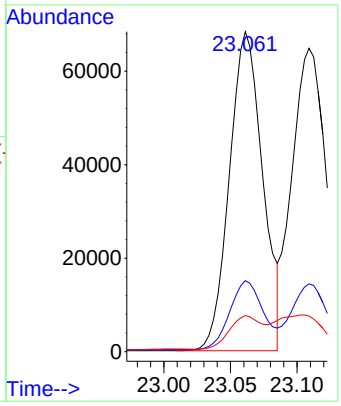


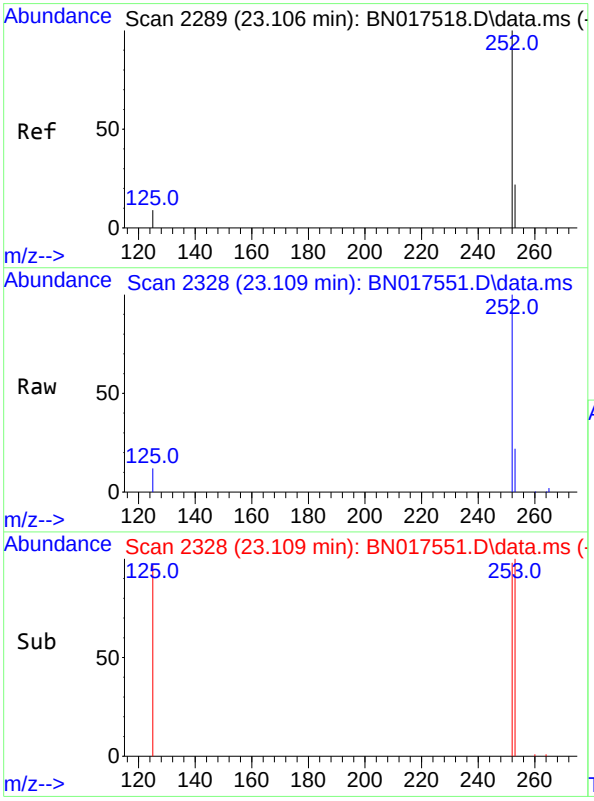
#37
Benzo(b)fluoranthene
Concen: 0.361 ng
RT: 23.061 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:252 Resp: 118767

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.3	7.8	11.8

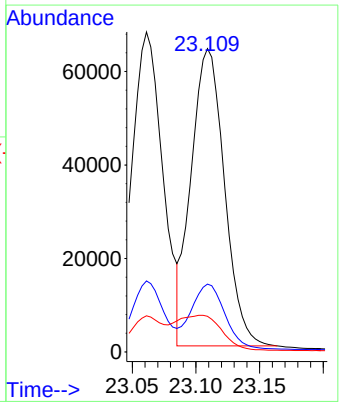


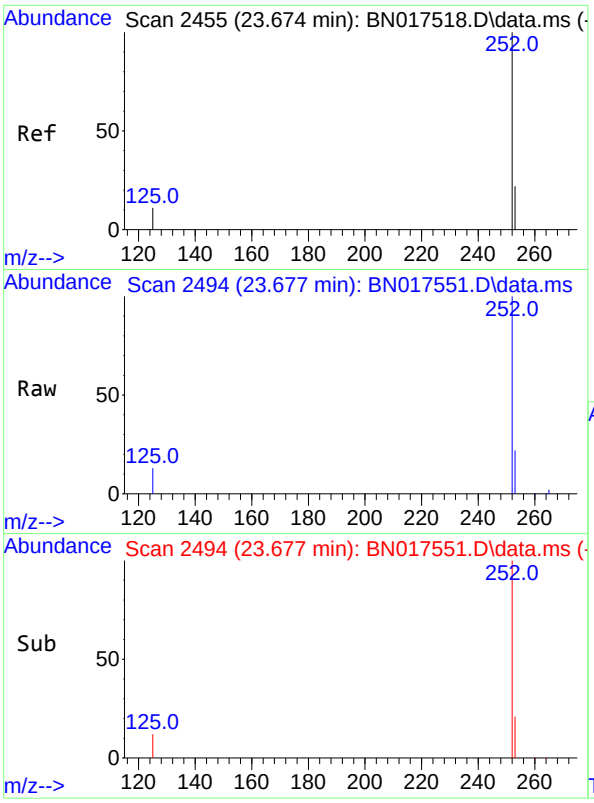


#38
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 23.109 min Scan# 2328
Delta R.T. 0.003 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:252 Resp: 115829

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.8	8.2	12.2



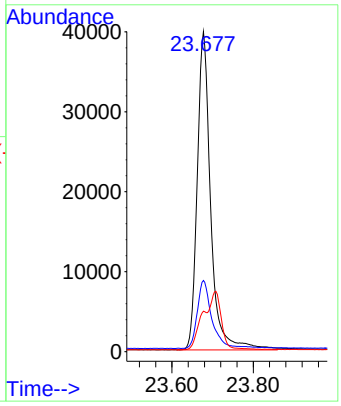


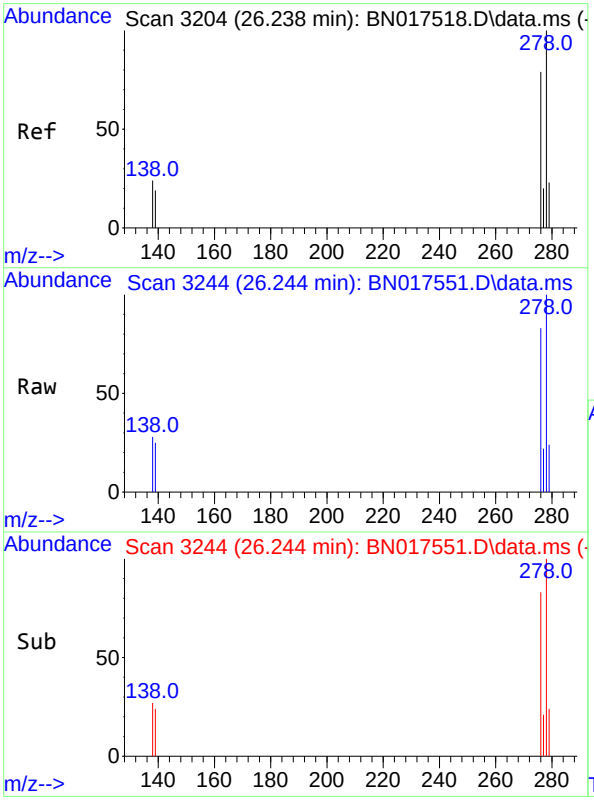
#39
Benzo(a)pyrene
Concen: 0.338 ng
RT: 23.677 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:252 Resp: 91590

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	12.6	9.2	13.8

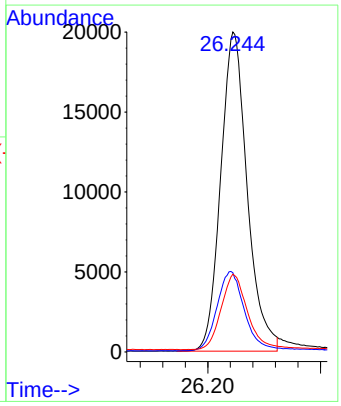


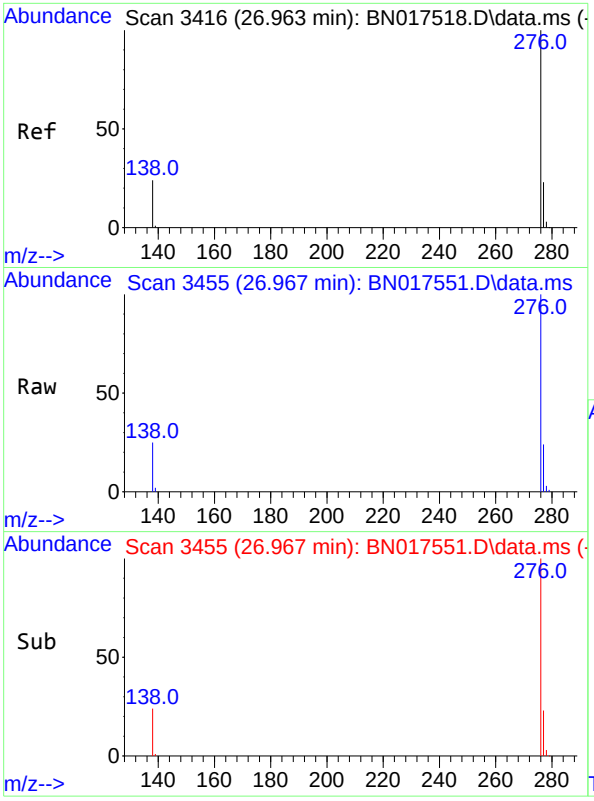


#40
Dibenzo(a,h)anthracene
Concen: 0.288 ng
RT: 26.244 min Scan# 3244
Delta R.T. 0.006 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Tgt Ion:278 Resp: 65133

Ion	Ratio	Lower	Upper
278	100		
139	24.8	13.0	19.6#
279	24.3	19.2	28.8





#41
Benzo(g,h,i)perylene
Concen: 0.301 ng
RT: 26.967 min Scan# 3
Delta R.T. 0.004 min
Lab File: BN017551.D
Acq: 22 Nov 2021 18:58

Instrument :
BNA_N
ClientSampleId :
PB140957BS

Tgt Ion:276 Resp: 71016

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	24.5	17.1	25.7