Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111621\
Data File : BN017473.D
Acq On : 16 Nov 2021 13:34
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Quant Time: Nov 16 14:36:08 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 16 14:06:59 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.874	152	26200	0.400	ng		0.00
7) Naphthalene-d8	10.661	136	117672	0.400	ng	#	0.00
13) Acenaphthene-d10	14.498	164	61363	0.400	ng		0.00
19) Phenanthrene-d10	17.238	188	105323	0.400	ng		0.00
29) Chrysene-d12	21.430	240	84855	0.400	ng	#	0.01
35) Perylene-d12	23.804	264	61405	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.449	112	27208	0.436	ng		0.00
5) Phenol-d6	7.035	99	29057	0.433	ng		0.00
8) Nitrobenzene-d5	9.014	82	28568	0.392	ng		0.00
11) 2-Methylnaphthalene-d10	12.253	152	78139	0.404	ng		0.00
14) 2,4,6-Tribromophenol	15.983	330	6184	0.397	ng		0.00
15) 2-Fluorobiphenyl	13.128	172	95593	0.413	ng		0.00
27) Fluoranthene-d10	19.273	212	124533	0.396	ng		0.00
31) Terphenyl-d14	19.873	244	87394	0.419	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.384	88	4229	0.367	ng		97
3) n-Nitrosodimethylamine	3.716	42	8700	0.396	ng	#	34
6) bis(2-Chloroethyl)ether	7.293	93	29638	0.412	ng		95
9) Naphthalene	10.712	128	119209	0.403	ng		100
10) Hexachlorobutadiene	11.016	225	24928	0.403	ng	#	100
12) 2-Methylnaphthalene	12.324	142	76810	0.410	ng		98
16) Acenaphthylene	14.206	152	85608	0.374	ng		100
17) Acenaphthene	14.562	154	65887	0.397	ng		98
18) Fluorene	15.539	166	76269	0.400	ng		100
20) 4,6-Dinitro-2-methylph...	15.615	198	1465	0.475	ng		98
21) 4-Bromophenyl-phenylether	16.435	248	23344	0.391	ng	#	76
22) Hexachlorobenzene	16.556	284	27066	0.401	ng		97
23) Atrazine	16.702	200	13626	0.400	ng	#	92
24) Pentachlorophenol	16.897	266	5363	0.394	ng		100
25) Phenanthrene	17.274	178	116338	0.402	ng		100
26) Anthracene	17.372	178	91812	0.382	ng		100
28) Fluoranthene	19.302	202	125913	0.405	ng		100
30) Pyrene	19.665	202	123249	0.404	ng		100
32) Benzo(a)anthracene	21.409	228	103394	0.394	ng		100
33) Chrysene	21.462	228	107951	0.400	ng		100
34) Bis(2-ethylhexyl)phtha...	21.356	149	45277	0.330	ng		98
36) Indeno(1,2,3-cd)pyrene	26.255	276	61705	0.436	ng		98
37) Benzo(b)fluoranthene	23.082	252	96021	0.416	ng		98
38) Benzo(k)fluoranthene	23.126	252	85879	0.405	ng		98
39) Benzo(a)pyrene	23.698	252	73470	0.411	ng		98
40) Dibenzo(a,h)anthracene	26.275	278	48652	0.451	ng		96
41) Benzo(g,h,i)perylene	27.004	276	57352	0.430	ng		99

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

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Instrument :
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Quant Time: Nov 16 14:36:08 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 16 14:06:59 2021
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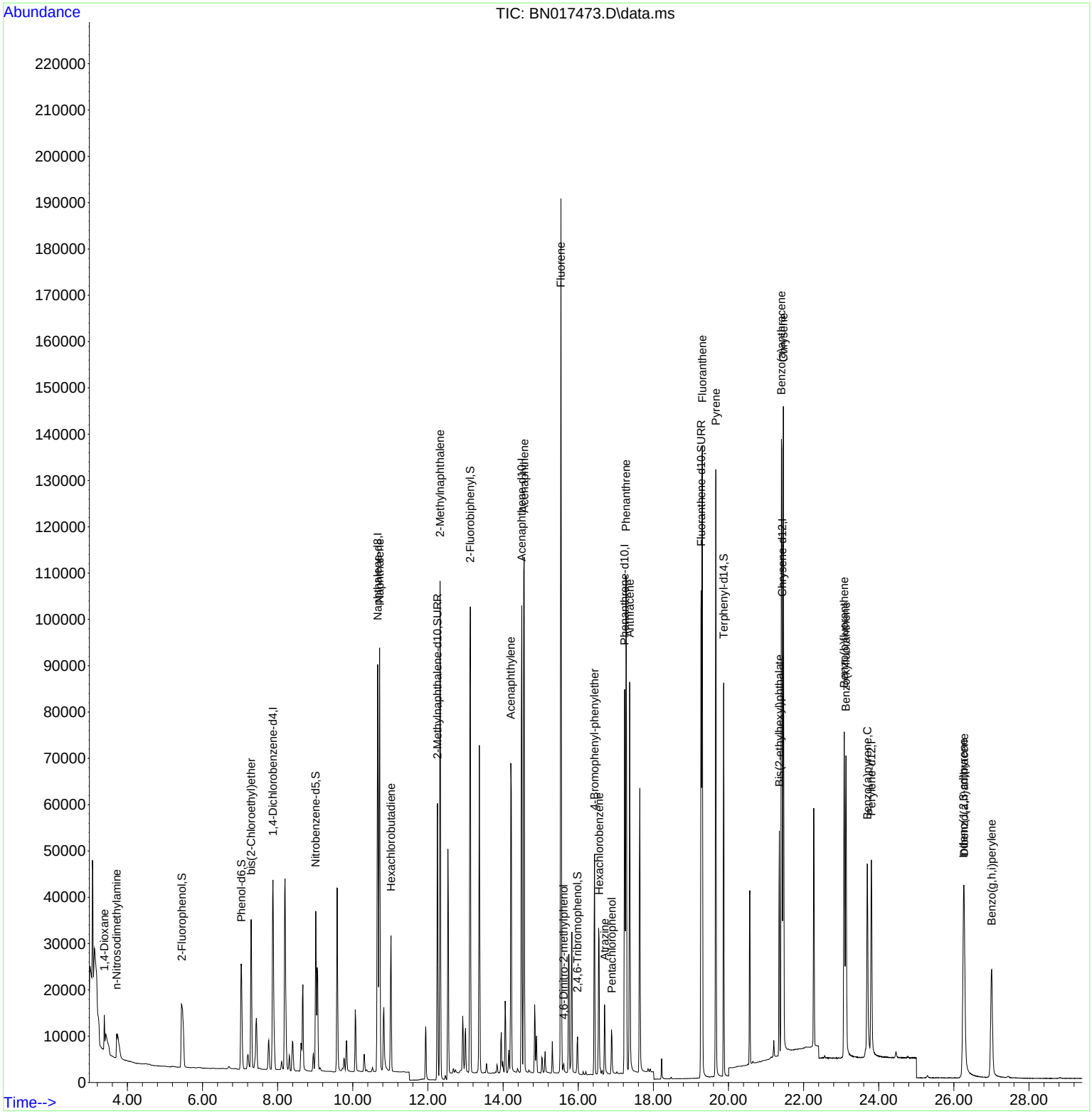
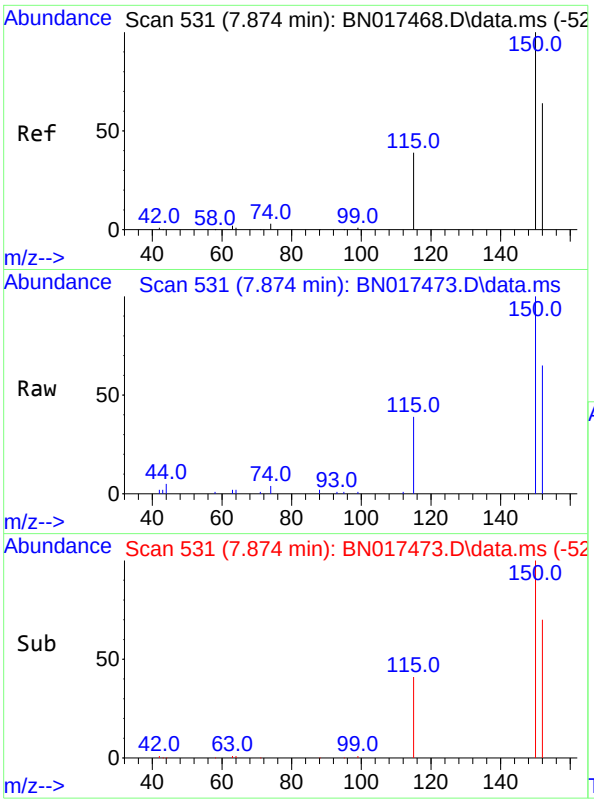


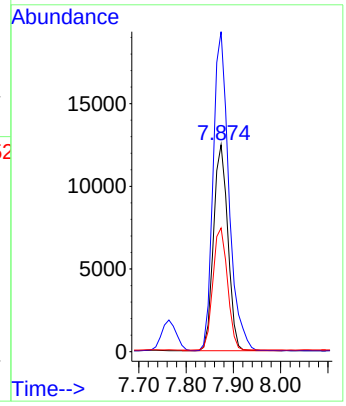


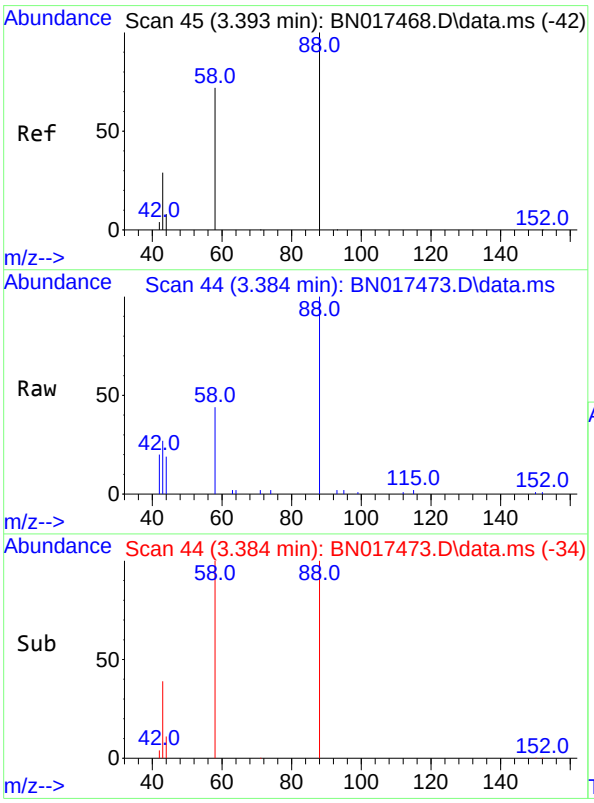
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.874 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:152 Resp: 26200

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.0	184.4
115	59.8	45.6	68.4

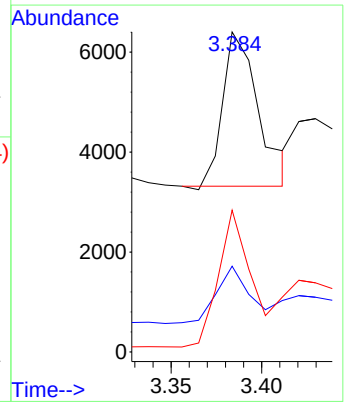


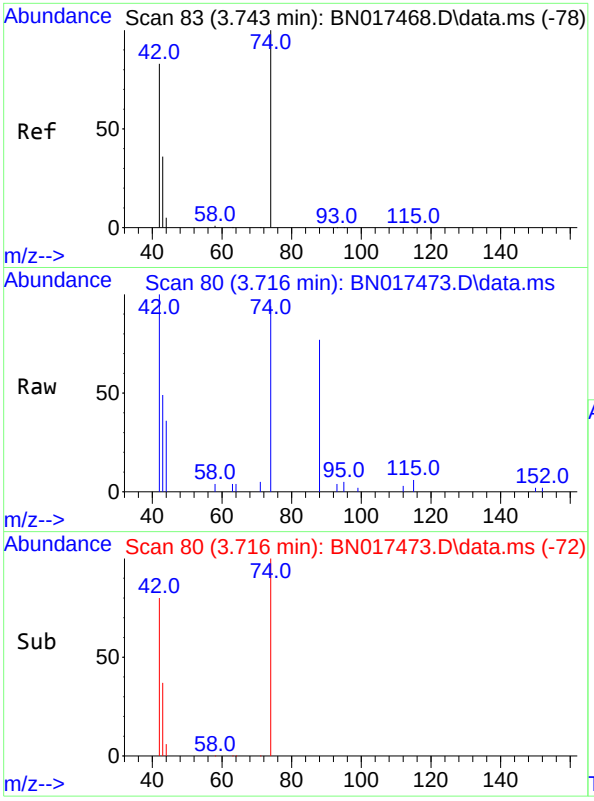


#2
1,4-Dioxane
Concen: 0.367 ng
RT: 3.384 min Scan# 44
Delta R.T. -0.009 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion: 88 Resp: 4229

Ion	Ratio	Lower	Upper
88	100		
43	34.7	24.7	37.1
58	80.1	63.0	94.6



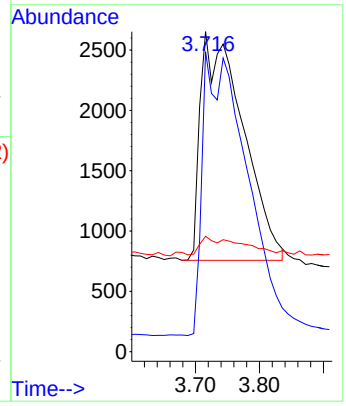


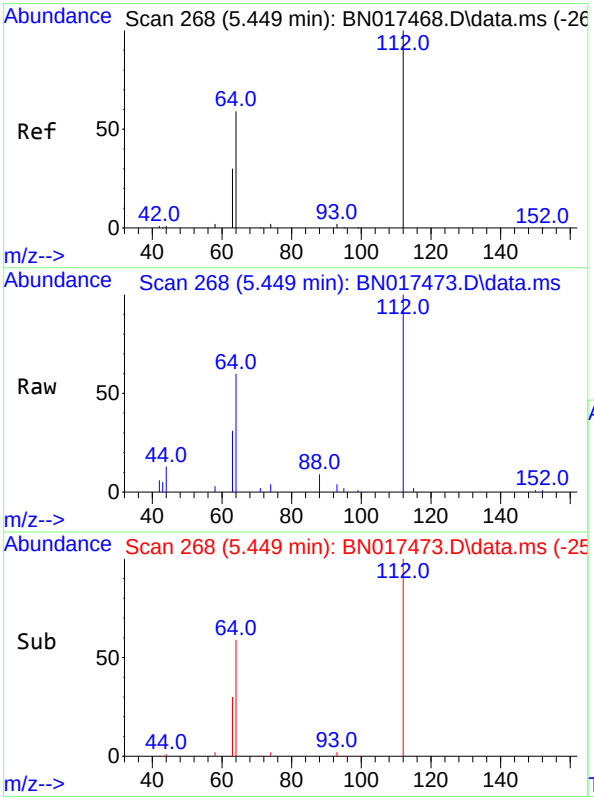
#3
n-Nitrosodimethylamine
Concen: 0.396 ng
RT: 3.716 min Scan# 8
Delta R.T. -0.028 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion: 42 Resp: 8700

Ion	Ratio	Lower	Upper
42	100		
74	45.1	97.8	146.6#
44	3.0	5.5	8.3#

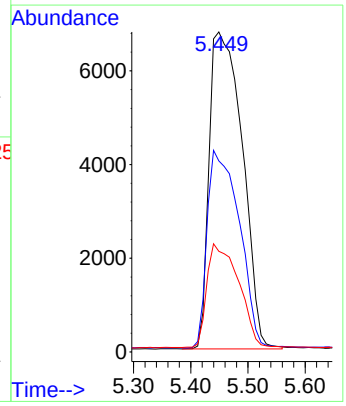


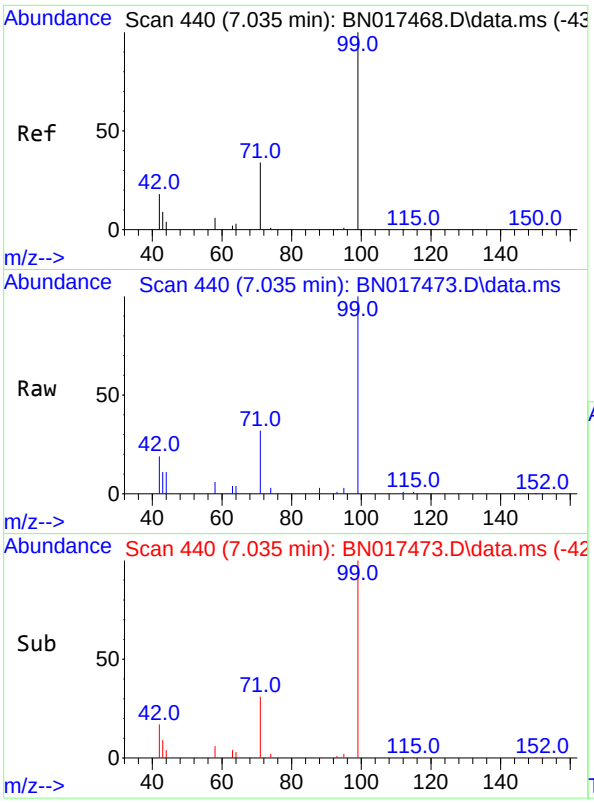


#4
2-Fluorophenol
Concen: 0.436 ng
RT: 5.449 min Scan# 268
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:112 Resp: 27208

Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.6	71.4
63	31.3	24.6	37.0



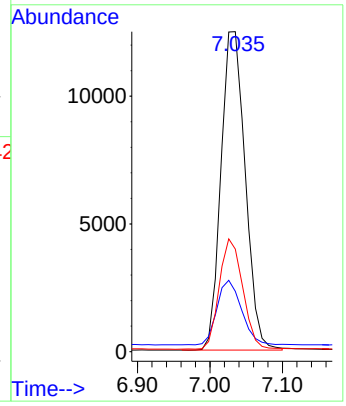


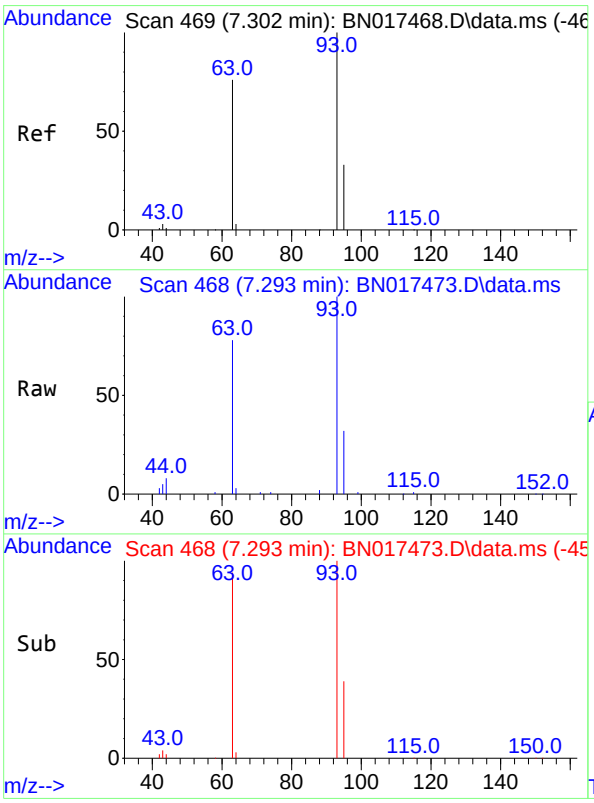
#5
Phenol-d6
Concen: 0.433 ng
RT: 7.035 min Scan# 44
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion: 99 Resp: 29057

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.0	25.6
71	33.5	24.8	37.2

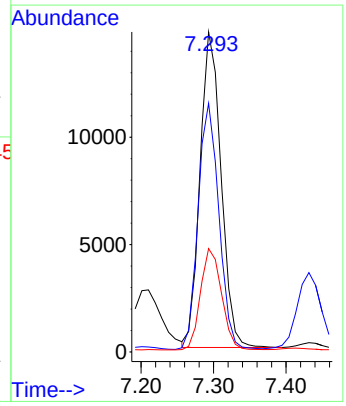


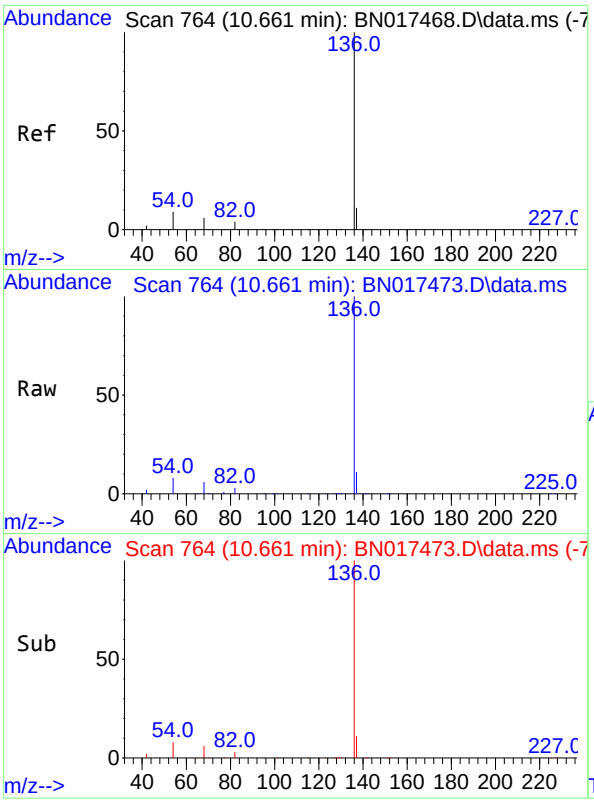


#6
bis(2-Chloroethyl)ether
Concen: 0.412 ng
RT: 7.293 min Scan# 468
Delta R.T. -0.009 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion: 93 Resp: 29638

Ion	Ratio	Lower	Upper
93	100		
63	77.2	65.8	98.6
95	32.2	26.6	39.8



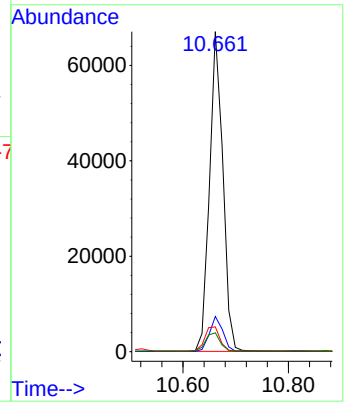


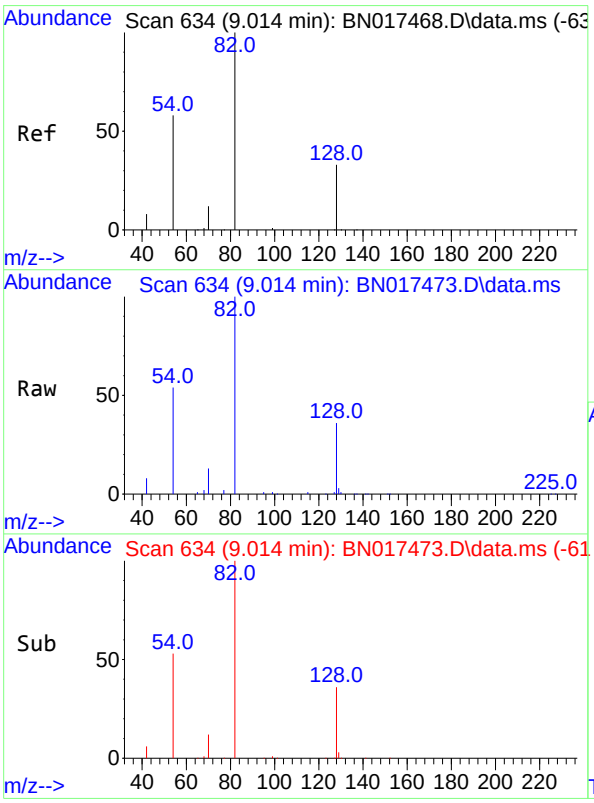
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:136 Resp: 117672

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.8	4.0	6.0#
68	5.9	3.0	4.6#

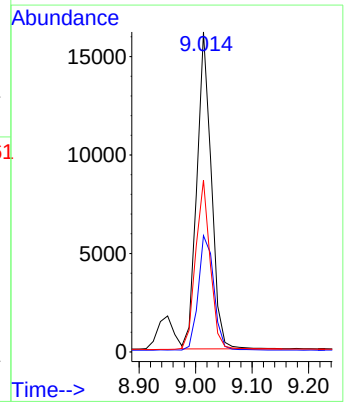


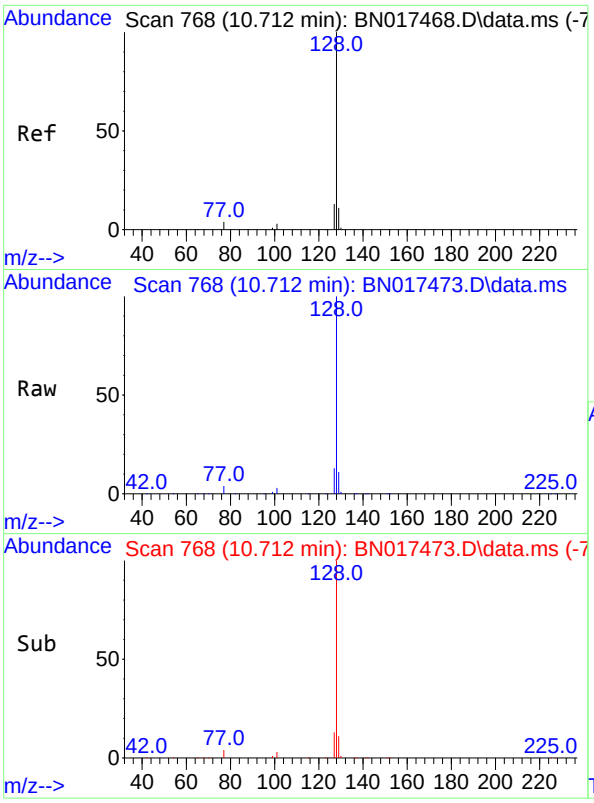


#8
Nitrobenzene-d5
Concen: 0.392 ng
RT: 9.014 min Scan# 634
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion: 82 Resp: 28568

Ion	Ratio	Lower	Upper
82	100		
128	36.3	27.7	41.5
54	53.7	49.2	73.8



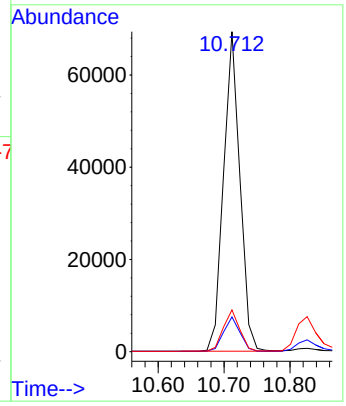


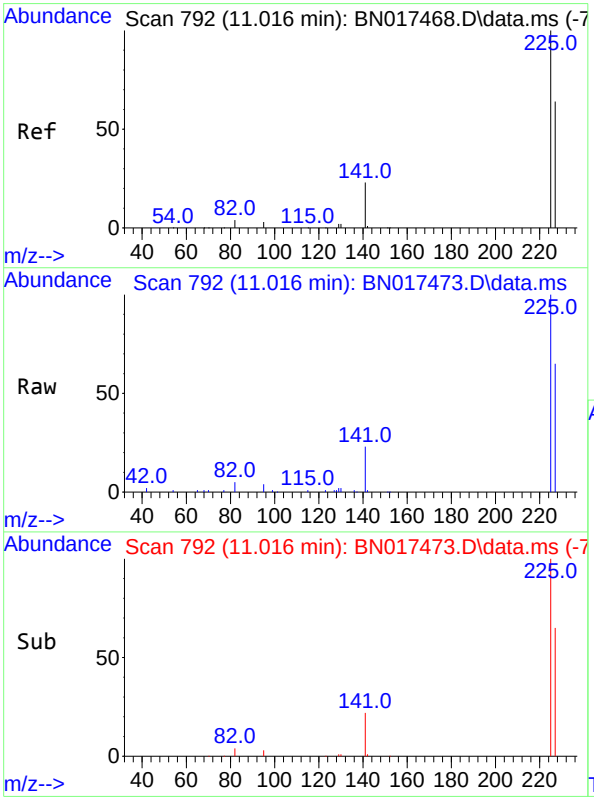
#9
Naphthalene
Concen: 0.403 ng
RT: 10.712 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:128 Resp: 119209

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.0	10.6	15.8

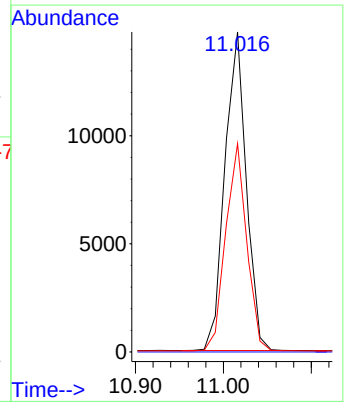


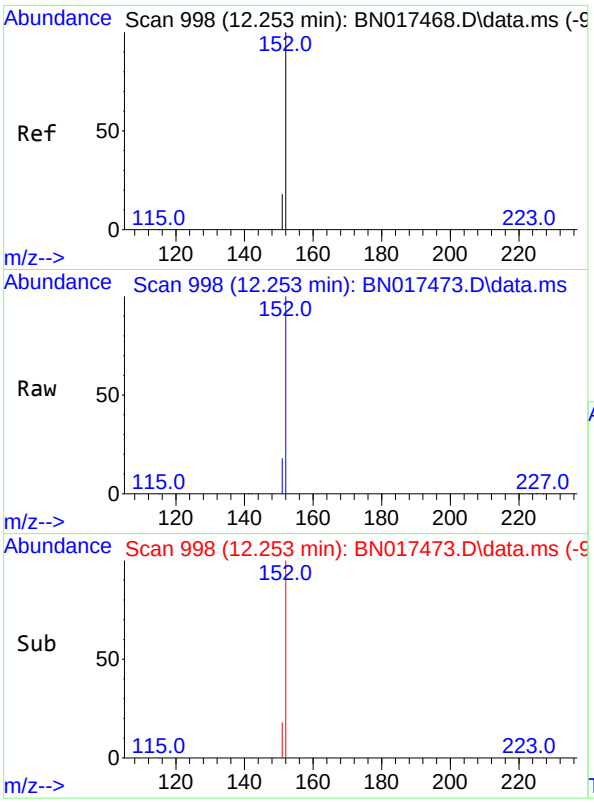


#10
Hexachlorobutadiene
Concen: 0.403 ng
RT: 11.016 min Scan# 792
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:225 Resp: 24928

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.1	76.7



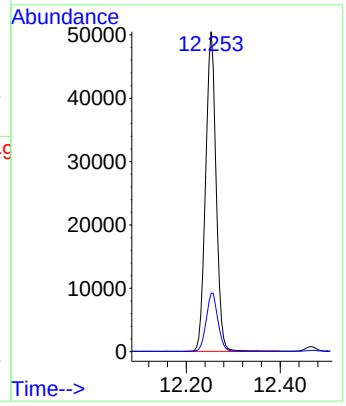


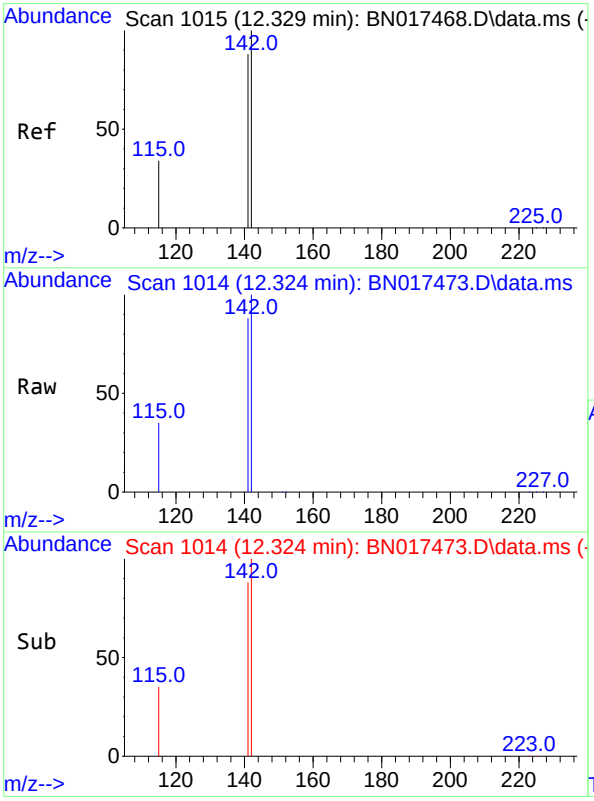
#11
2-Methylnaphthalene-d10
Concen: 0.404 ng
RT: 12.253 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:152 Resp: 78139

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

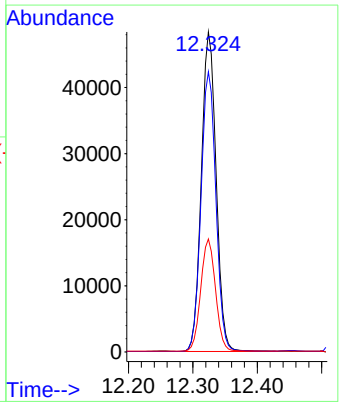


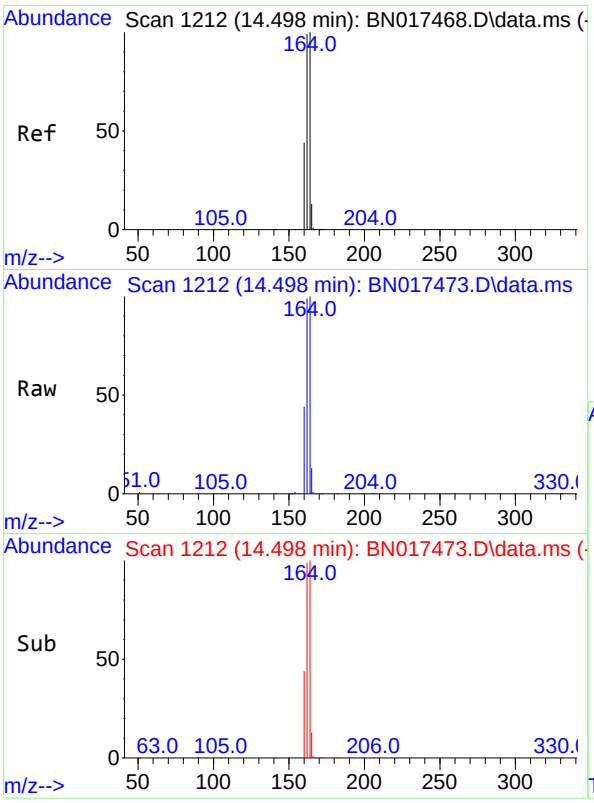


#12
2-Methylnaphthalene
Concen: 0.410 ng
RT: 12.324 min Scan# 1014
Delta R.T. -0.004 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:142 Resp: 76810

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.6	106.0
115	35.3	25.8	38.6



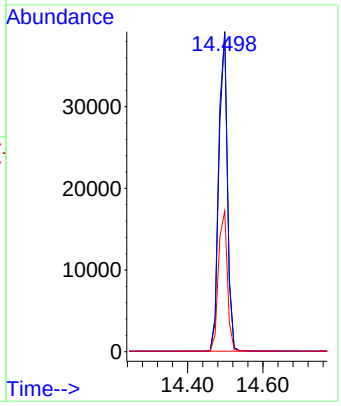


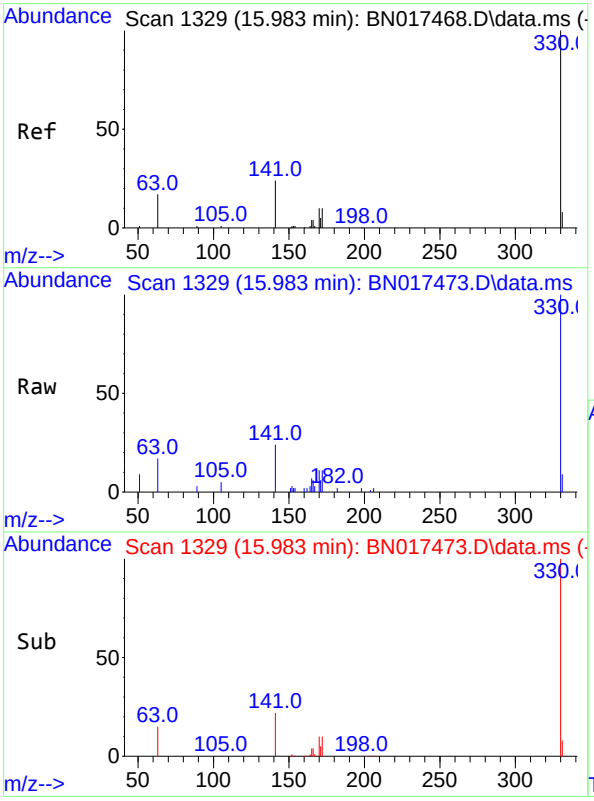
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.498 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:164 Resp: 61363

Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.4	122.2
160	43.9	36.8	55.2

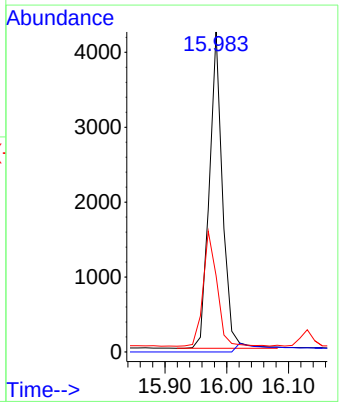


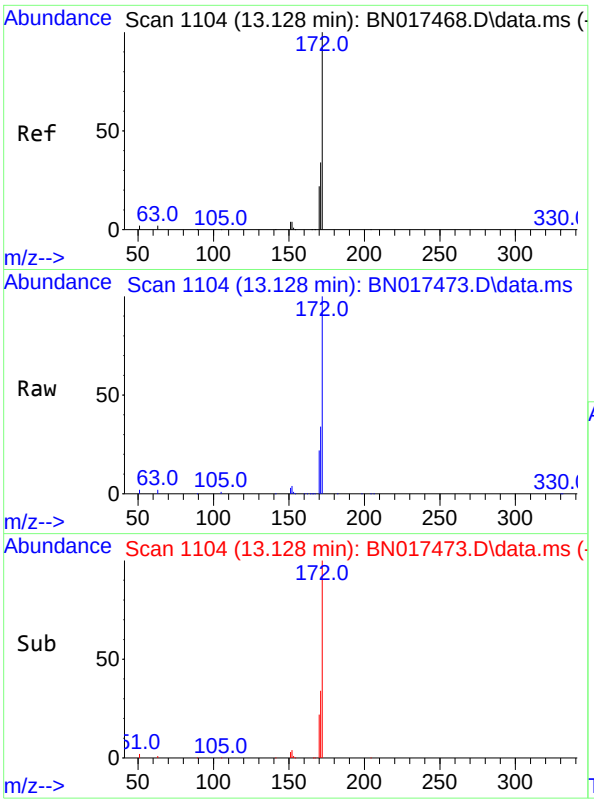


#14
2,4,6-Tribromophenol
Concen: 0.397 ng
RT: 15.983 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:330 Resp: 6184

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.1	28.9	43.3



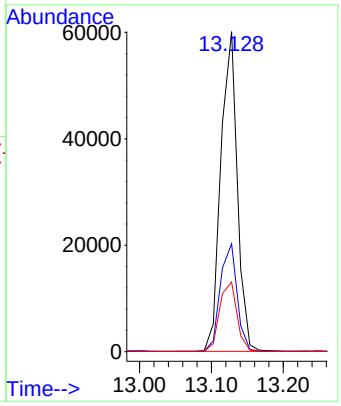


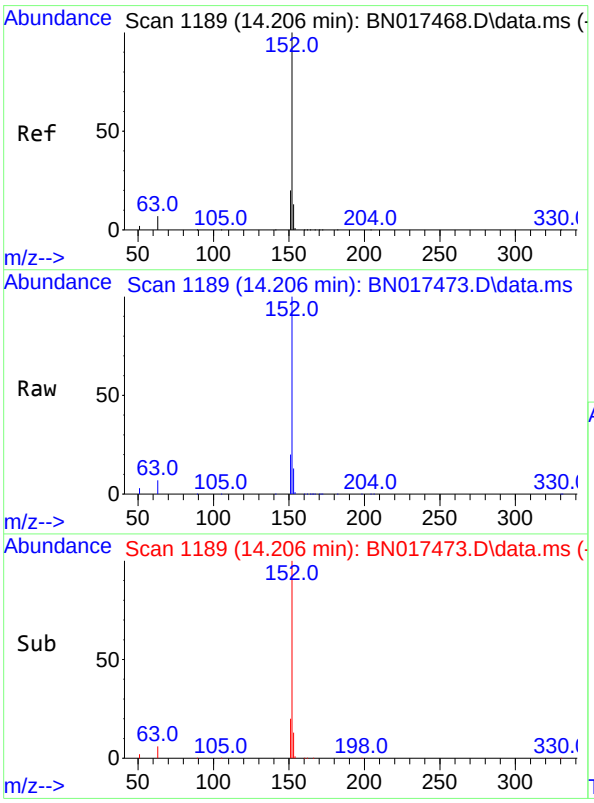
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 13.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:172 Resp: 95593

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.7	43.1
170	21.8	19.4	29.2

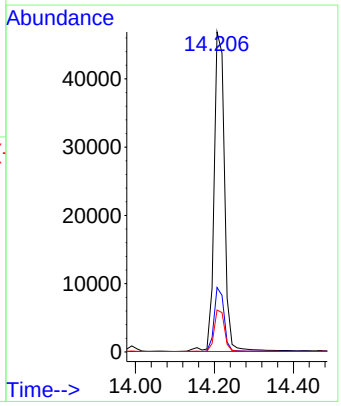


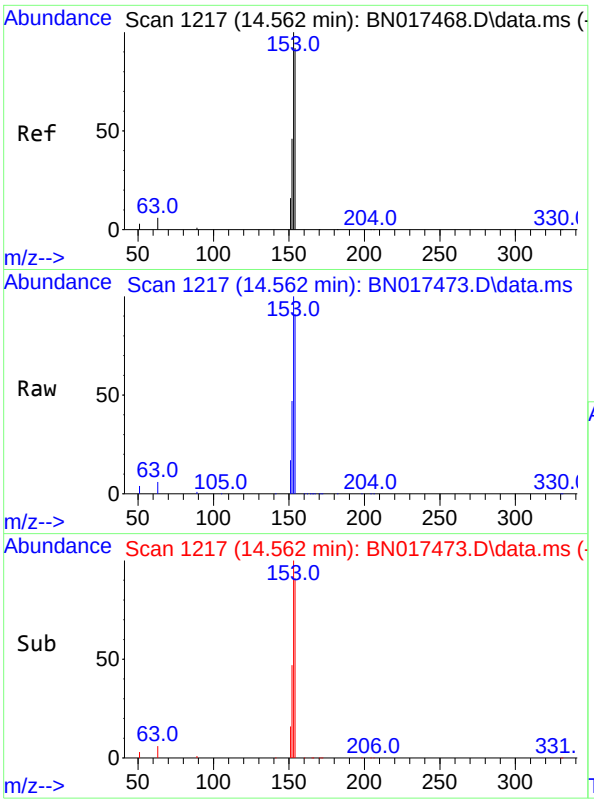


#16
Acenaphthylene
Concen: 0.374 ng
RT: 14.206 min Scan# 1189
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:152 Resp: 85608

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.0	10.4	15.6



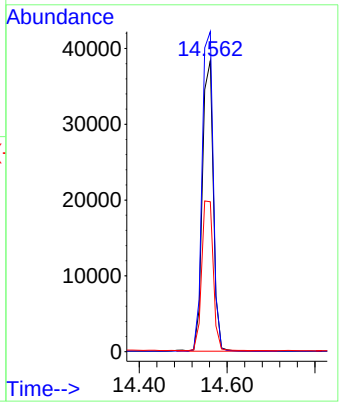


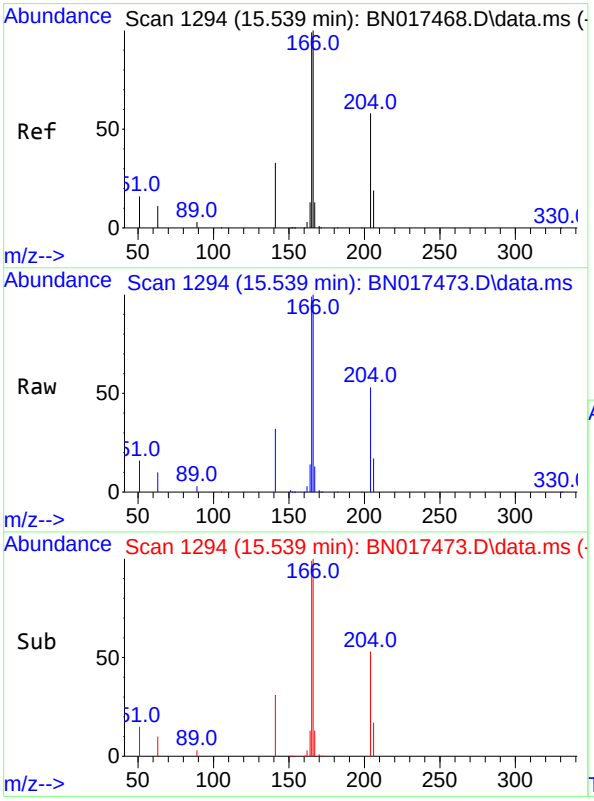
#17
Acenaphthene
Concen: 0.397 ng
RT: 14.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:154 Resp: 65887

Ion	Ratio	Lower	Upper
154	100		
153	112.3	91.2	136.8
152	54.2	44.3	66.5

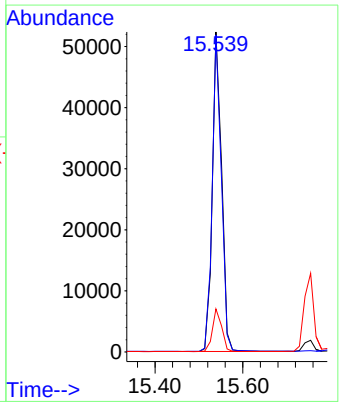


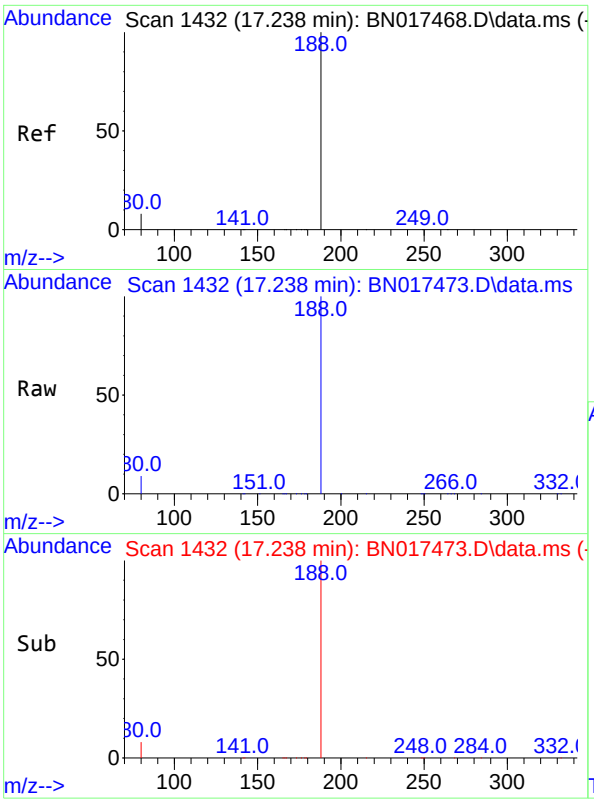


#18
Fluorene
Concen: 0.400 ng
RT: 15.539 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:166 Resp: 76269

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.9	116.9
167	13.4	10.9	16.3



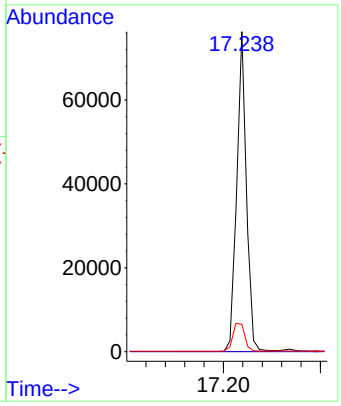


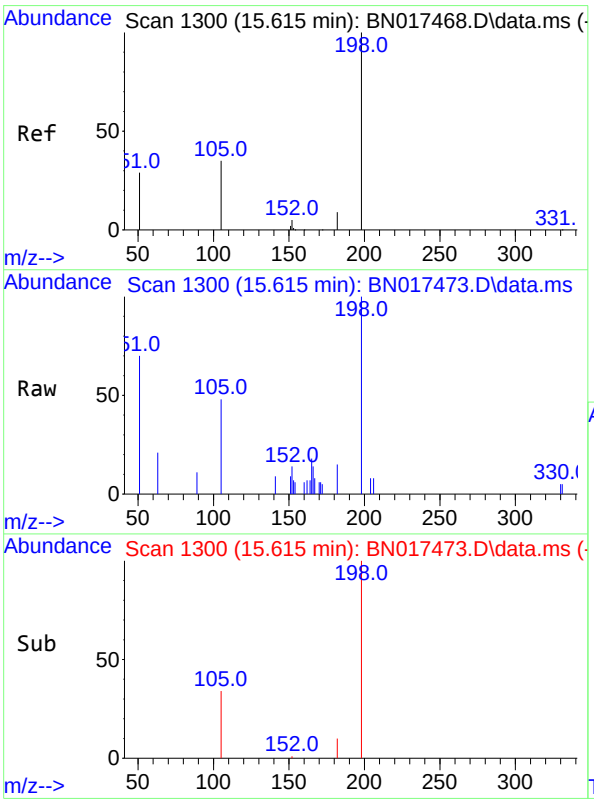
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.238 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:188 Resp: 105323

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

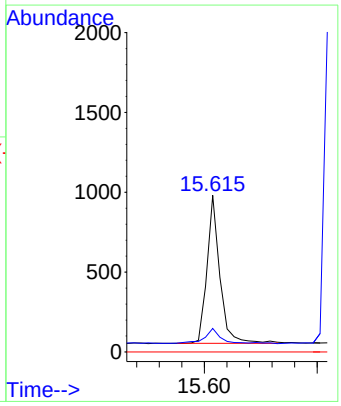


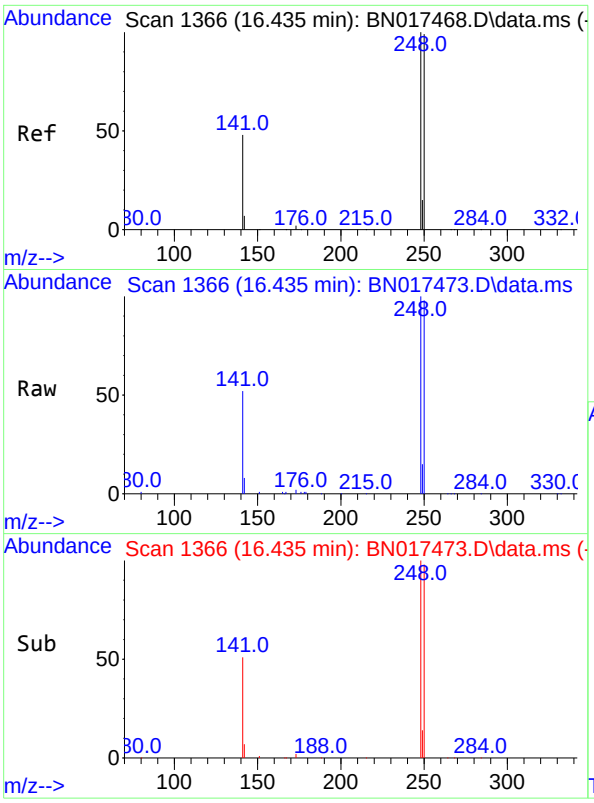


#20
4,6-Dinitro-2-methylphenol
Concen: 0.475 ng
RT: 15.615 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:198 Resp: 1465

Ion	Ratio	Lower	Upper
198	100		
182	15.0	11.4	17.2
77	0.0	0.0	0.0



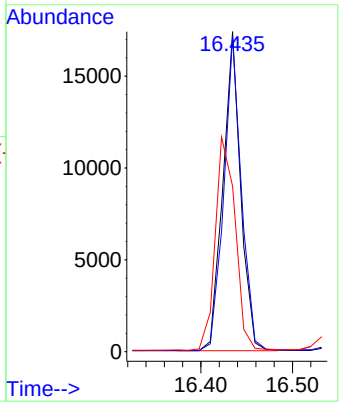


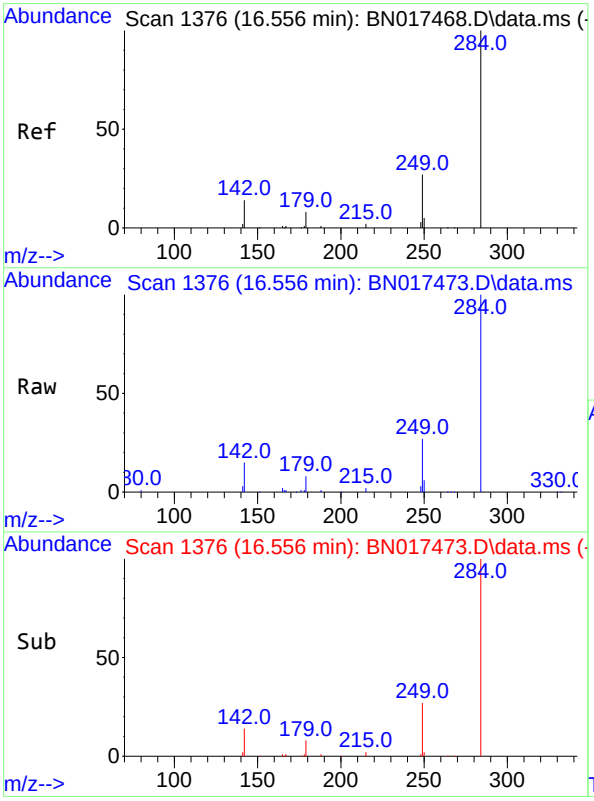
#21
4-Bromophenyl-phenylether
Concen: 0.391 ng
RT: 16.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:248 Resp: 23344

Ion	Ratio	Lower	Upper
248	100		
250	98.5	71.8	107.8
141	51.8	70.9	106.3#

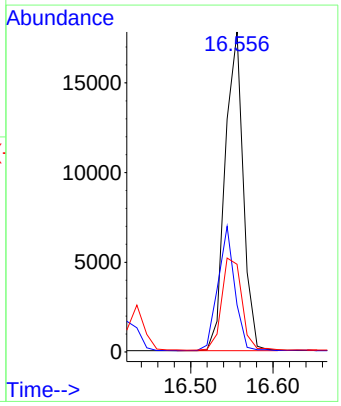


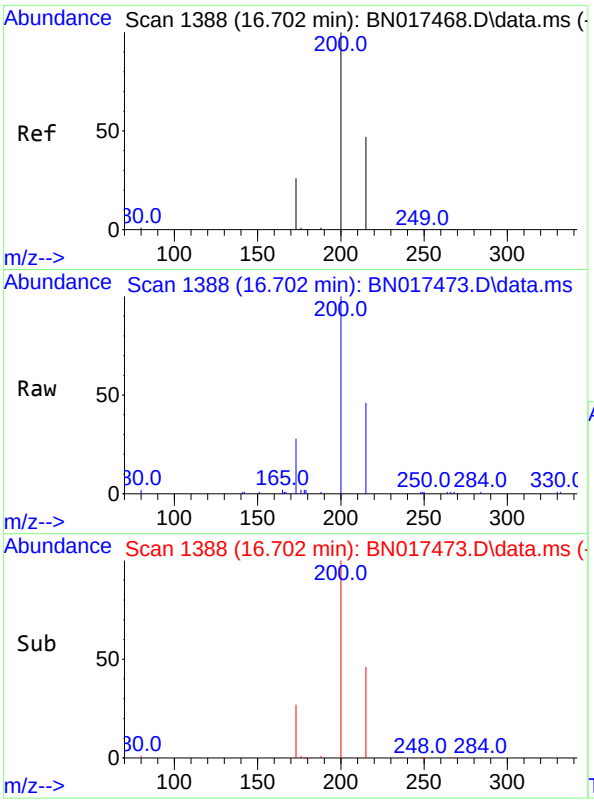


#22
Hexachlorobenzene
Concen: 0.401 ng
RT: 16.556 min Scan# 1376
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:284 Resp: 27066

Ion	Ratio	Lower	Upper
284	100		
142	36.4	28.2	42.2
249	32.2	24.4	36.6



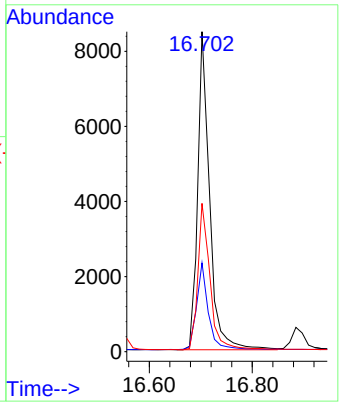


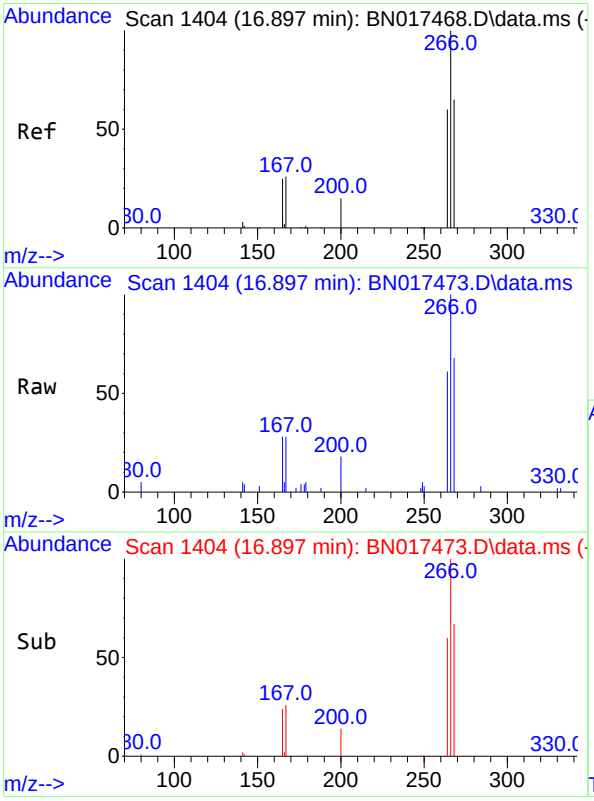
#23
Atrazine
Concen: 0.400 ng
RT: 16.702 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:200 Resp: 13626

Ion	Ratio	Lower	Upper
200	100		
173	27.8	17.6	26.4#
215	46.4	40.2	60.4

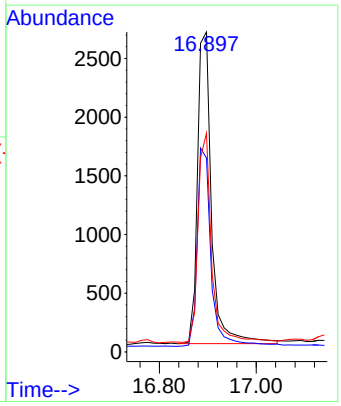


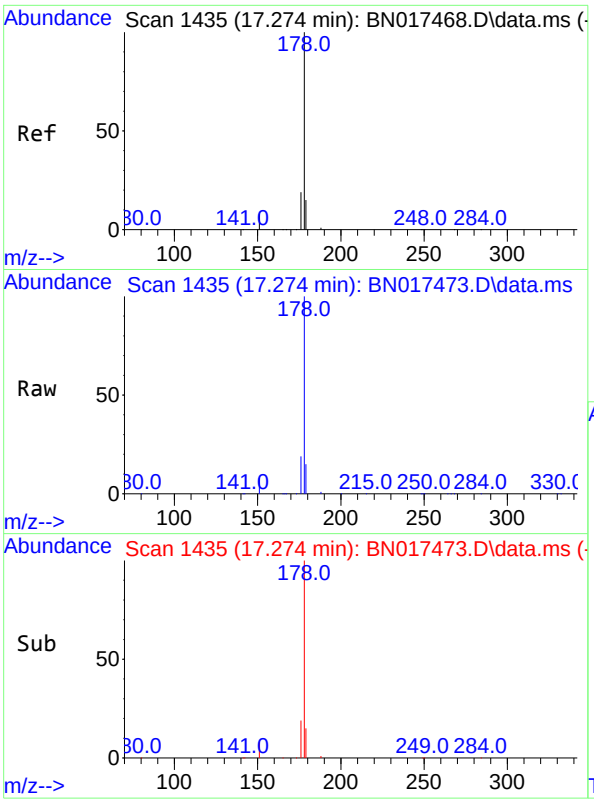


#24
Pentachlorophenol
Concen: 0.394 ng
RT: 16.897 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:266 Resp: 5363

Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.8	74.8
268	64.4	51.3	76.9



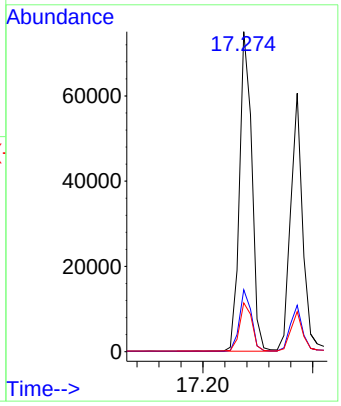


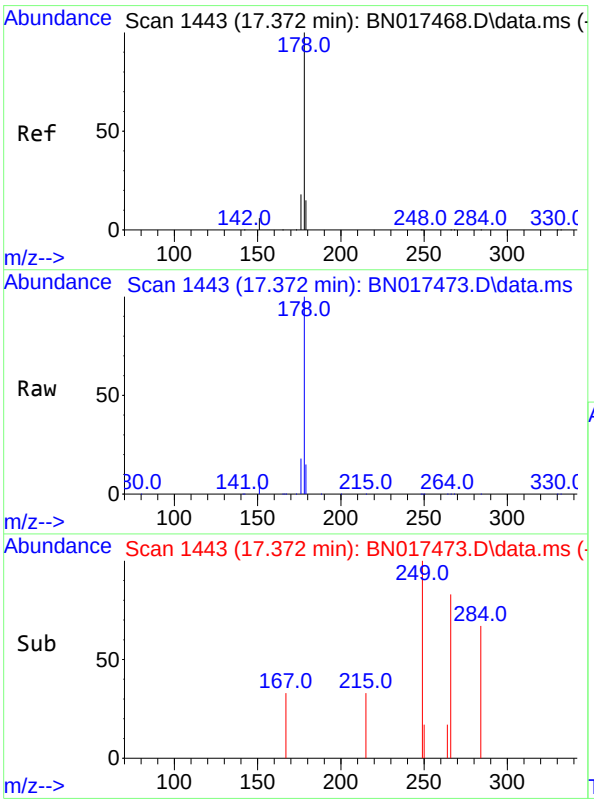
#25
Phenanthrene
Concen: 0.402 ng
RT: 17.274 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:178 Resp: 116338

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.3	18.5

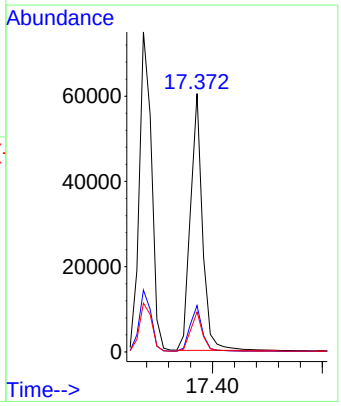


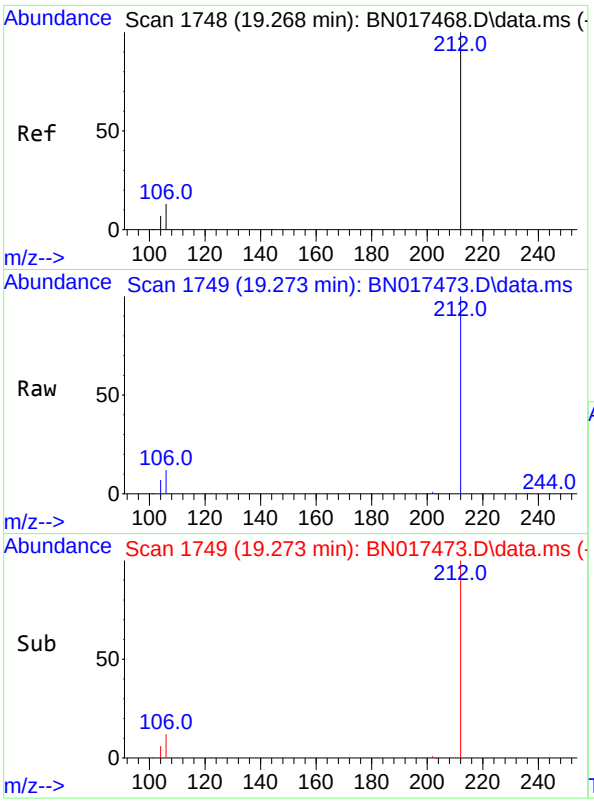


#26
Anthracene
Concen: 0.382 ng
RT: 17.372 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:178 Resp: 91812

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



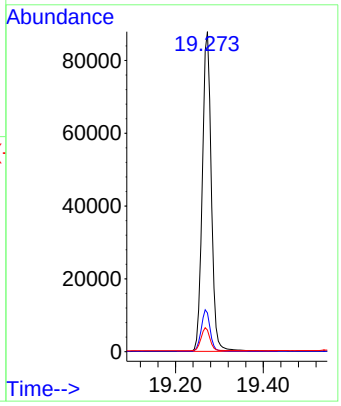


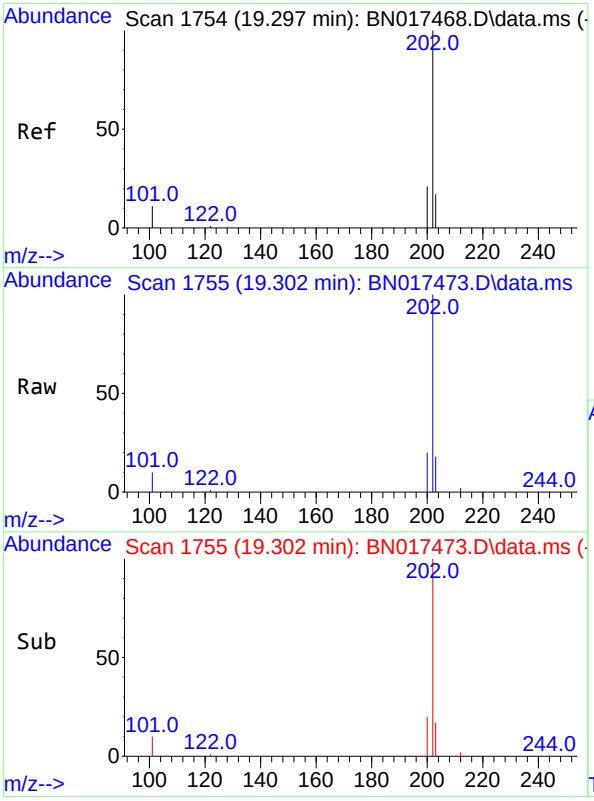
#27
Fluoranthene-d10
Concen: 0.396 ng
RT: 19.273 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:212 Resp: 124533

Ion	Ratio	Lower	Upper
212	100		
106	12.9	10.5	15.7
104	7.2	5.8	8.6

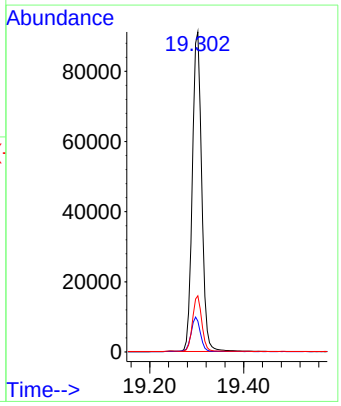


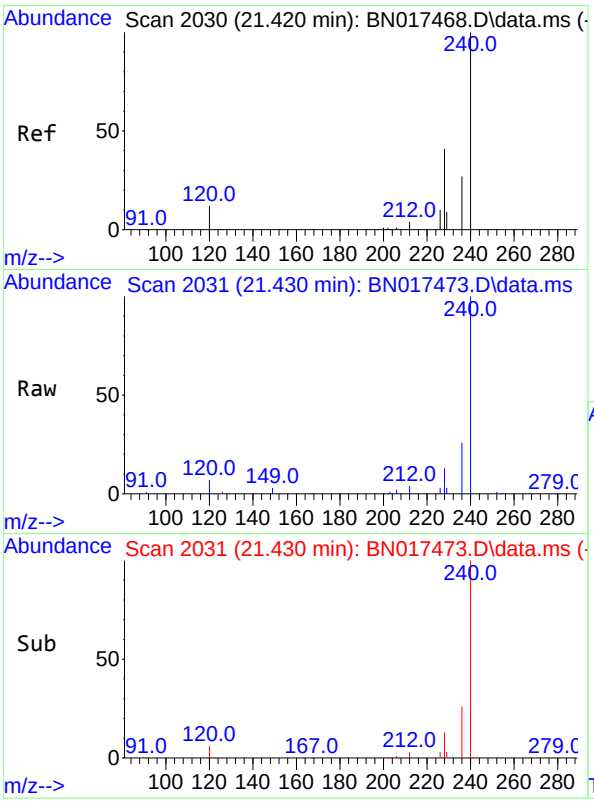


#28
Fluoranthene
Concen: 0.405 ng
RT: 19.302 min Scan# 1755
Delta R.T. 0.005 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:202 Resp: 125913

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.9	13.3
203	17.1	13.8	20.6



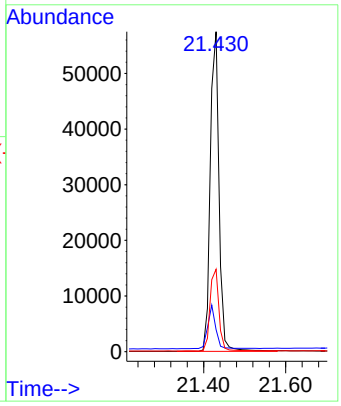


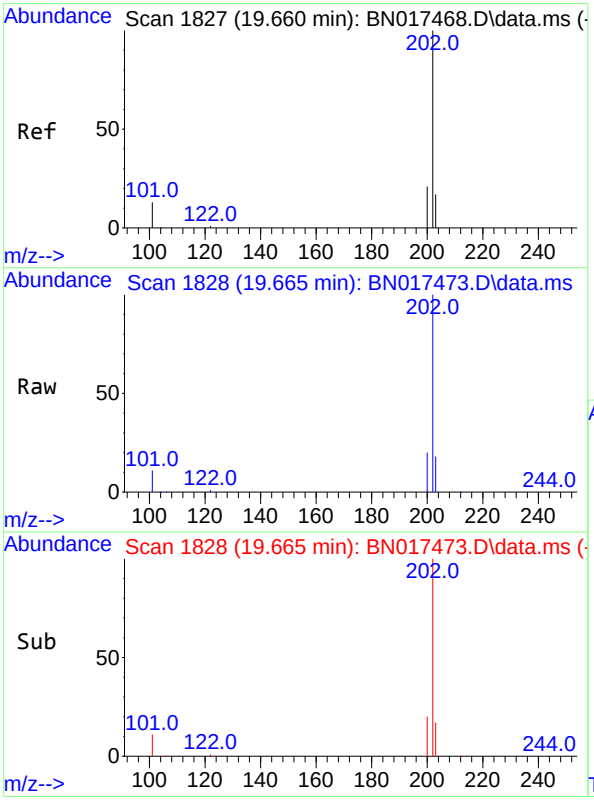
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.430 min Scan# 2
Delta R.T. 0.011 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:240 Resp: 84855

Ion	Ratio	Lower	Upper
240	100		
120	6.9	4.2	6.2#
236	25.8	20.0	30.0

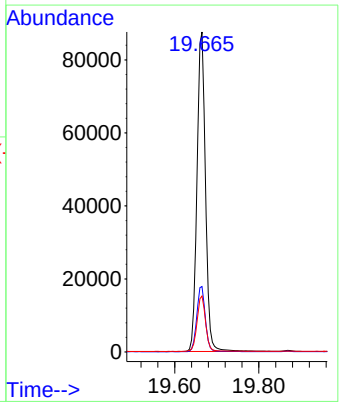


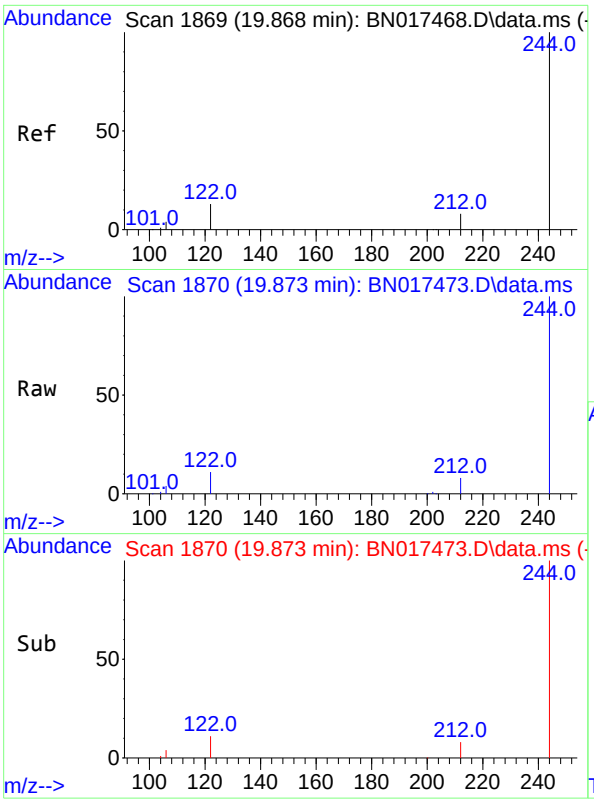


#30
Pyrene
Concen: 0.404 ng
RT: 19.665 min Scan# 1828
Delta R.T. 0.005 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:202 Resp: 123249

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.4	14.0	21.0



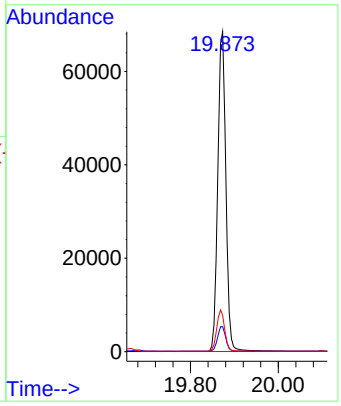


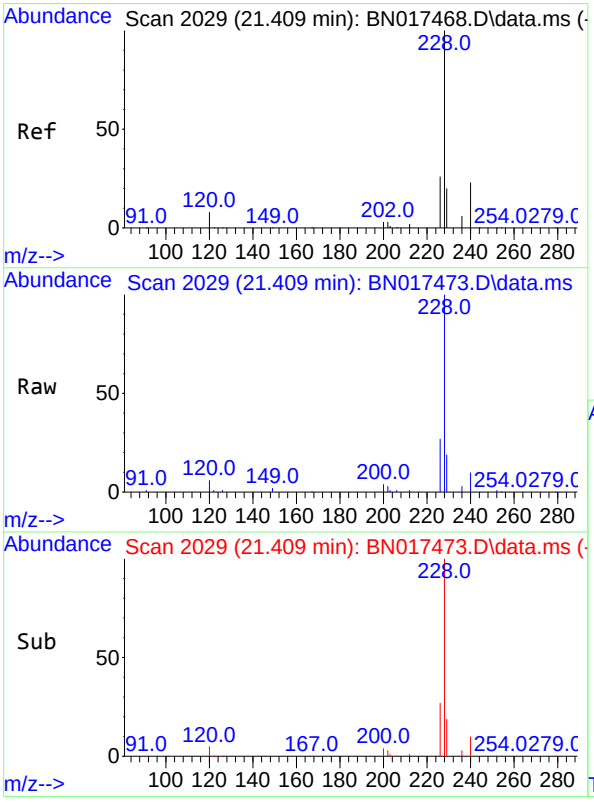
#31
Terphenyl-d14
Concen: 0.419 ng
RT: 19.873 min Scan# 1
Delta R.T. 0.005 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:244 Resp: 87394

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.7	8.5
122	11.4	8.6	13.0

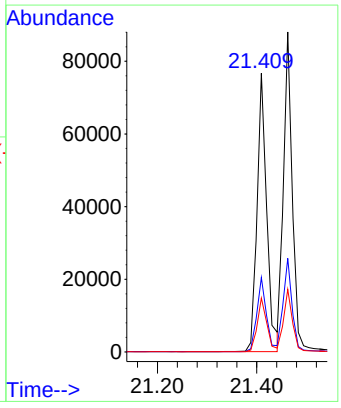


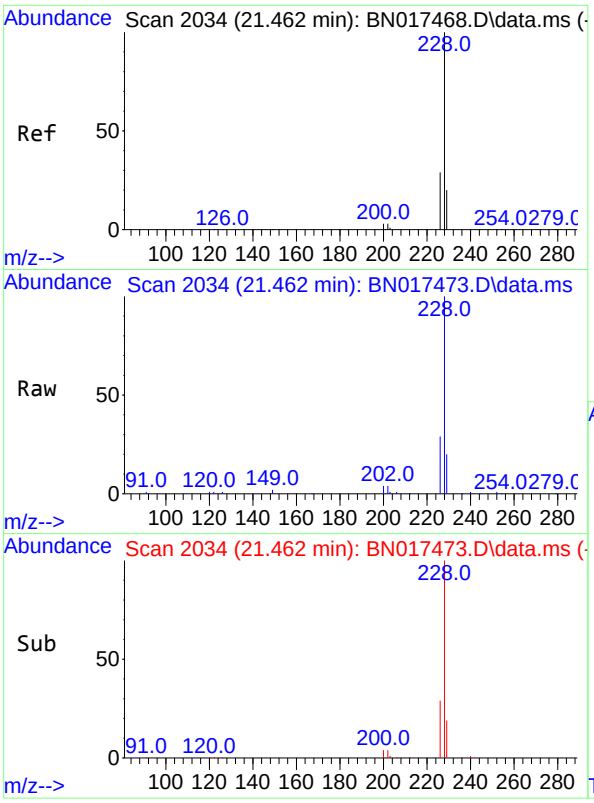


#32
Benzo(a)anthracene
Concen: 0.394 ng
RT: 21.409 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:228 Resp: 103394

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	19.4	15.7	23.5



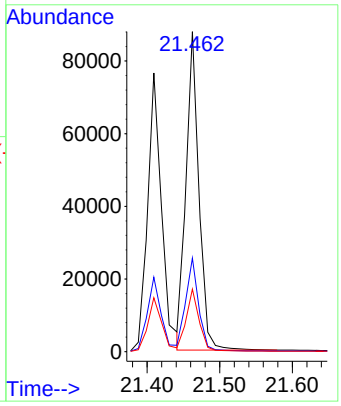


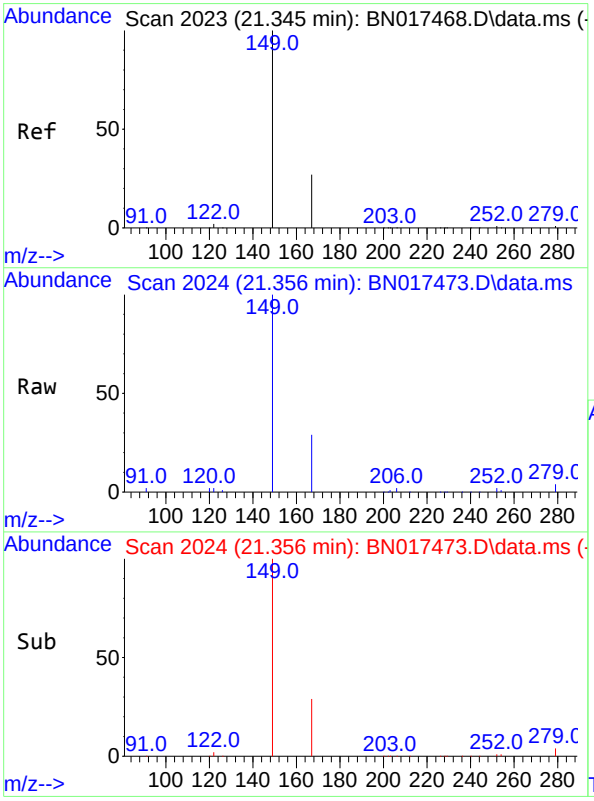
#33
Chrysene
Concen: 0.400 ng
RT: 21.462 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:228 Resp: 107951

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.3	34.9
229	19.6	15.6	23.4

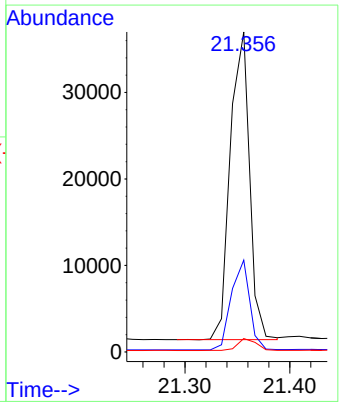


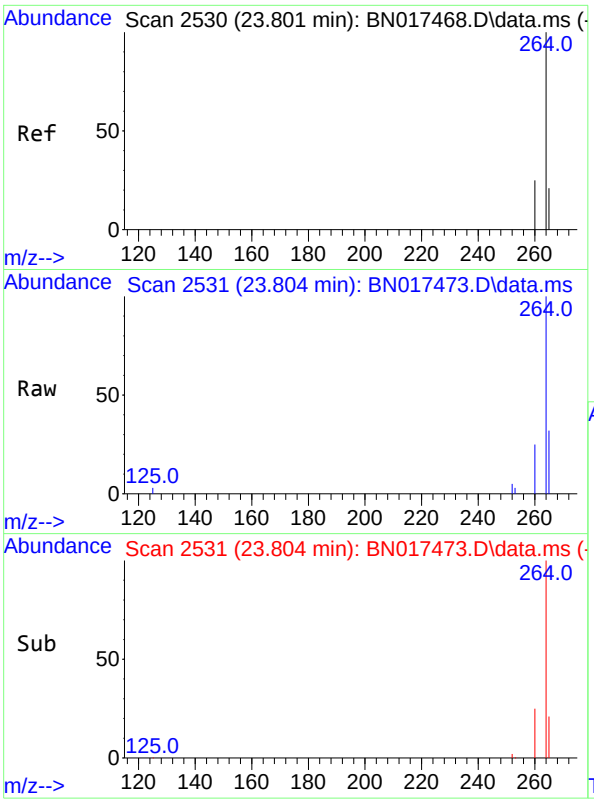


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.330 ng
RT: 21.356 min Scan# 2024
Delta R.T. 0.011 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:149 Resp: 45277

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.8	32.6
279	3.8	3.4	5.0



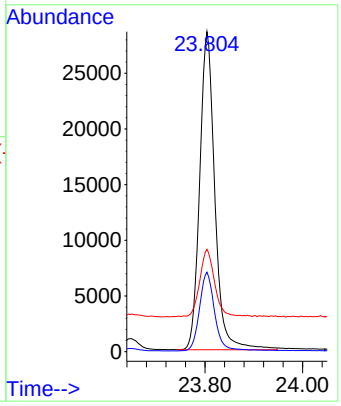


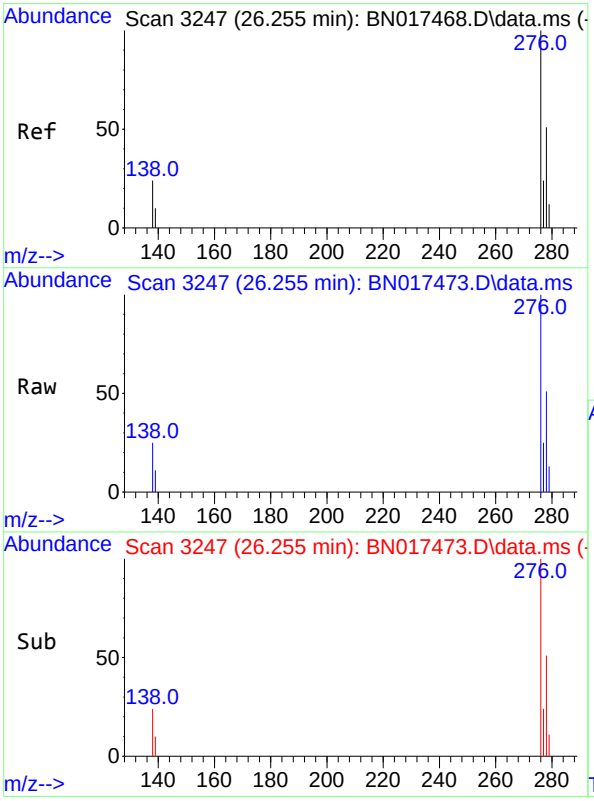
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.804 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:264 Resp: 61405

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	32.0	18.6	28.0#

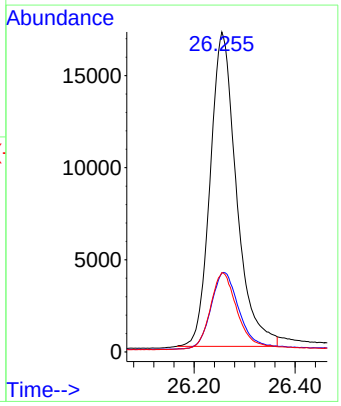


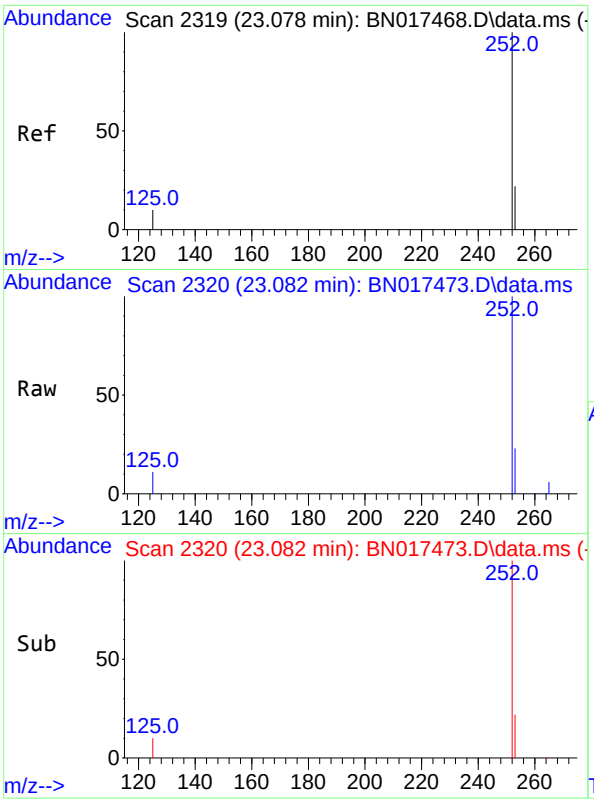


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.436 ng
RT: 26.255 min Scan# 3247
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:276 Resp: 61705

Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.7	29.5
277	24.9	20.0	30.0



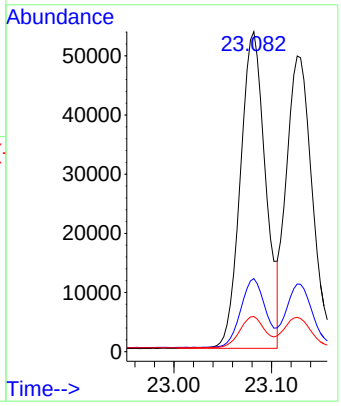


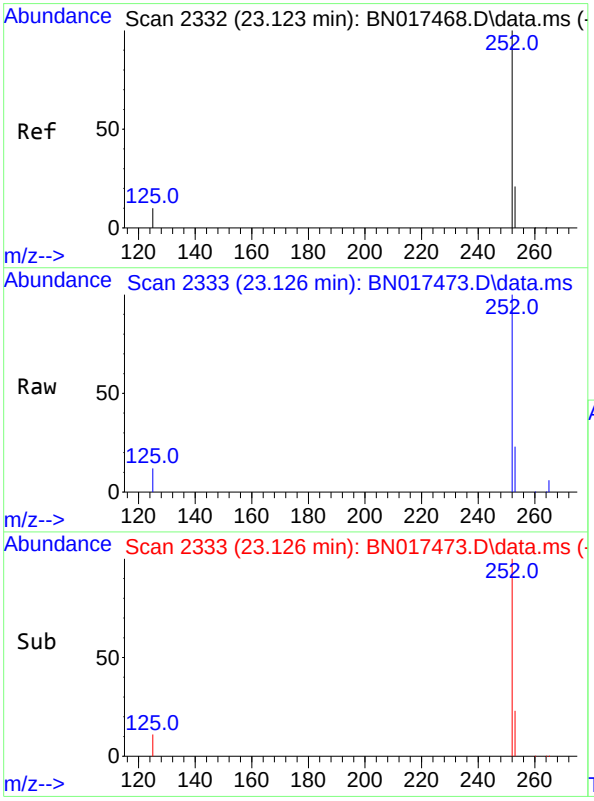
#37
Benzo(b)fluoranthene
Concen: 0.416 ng
RT: 23.082 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:252 Resp: 96021

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	11.0	7.8	11.8

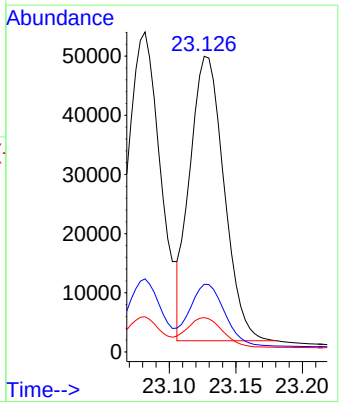


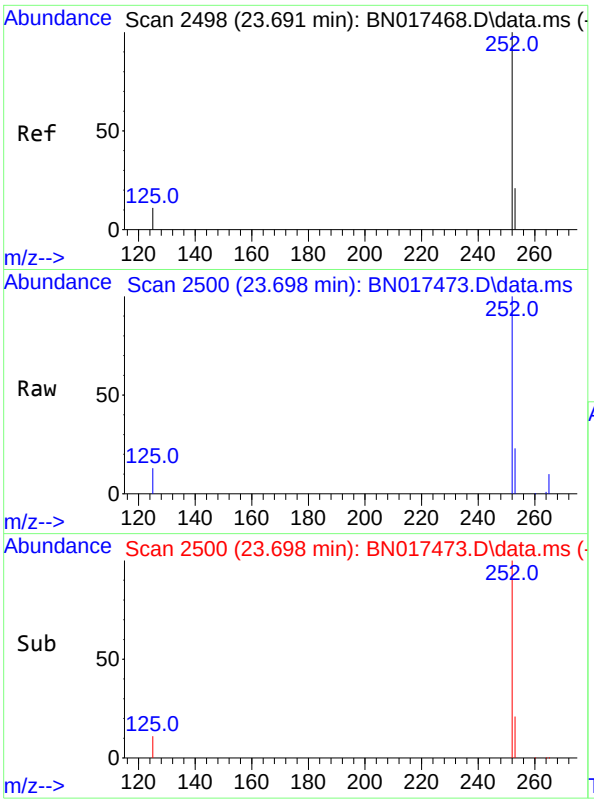


#38
Benzo(k)fluoranthene
Concen: 0.405 ng
RT: 23.126 min Scan# 2333
Delta R.T. 0.003 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:252 Resp: 85879

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	11.6	8.2	12.2



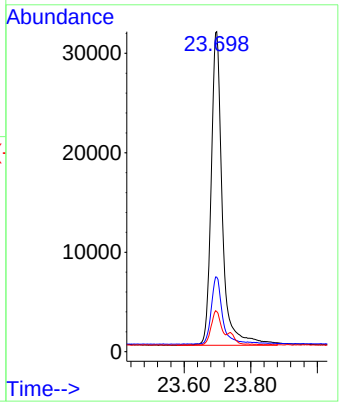


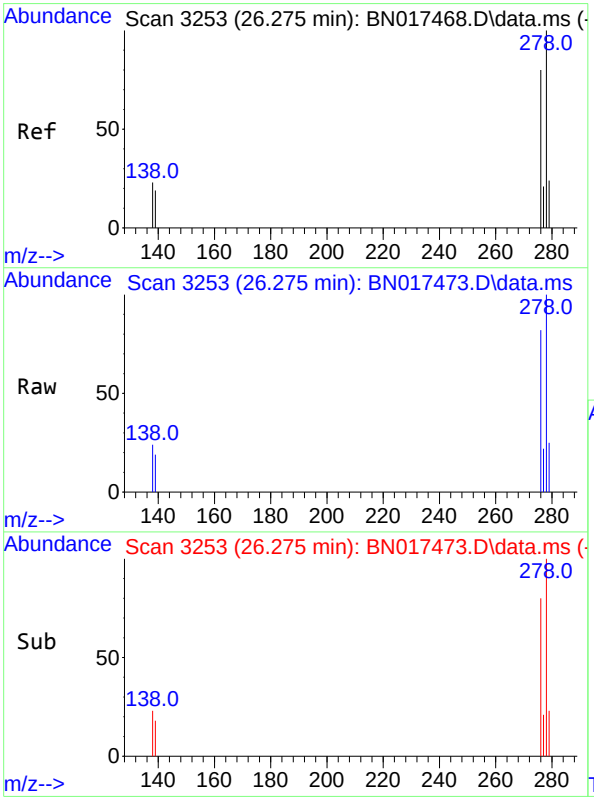
#39
Benzo(a)pyrene
Concen: 0.411 ng
RT: 23.698 min Scan# 2
Delta R.T. 0.007 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:252 Resp: 73470

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.6	9.2	13.8

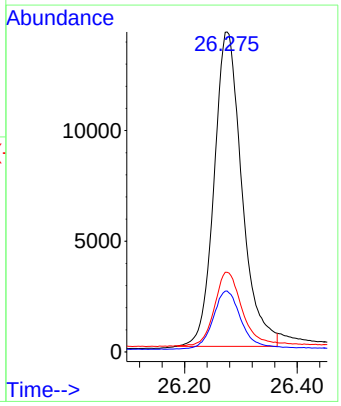


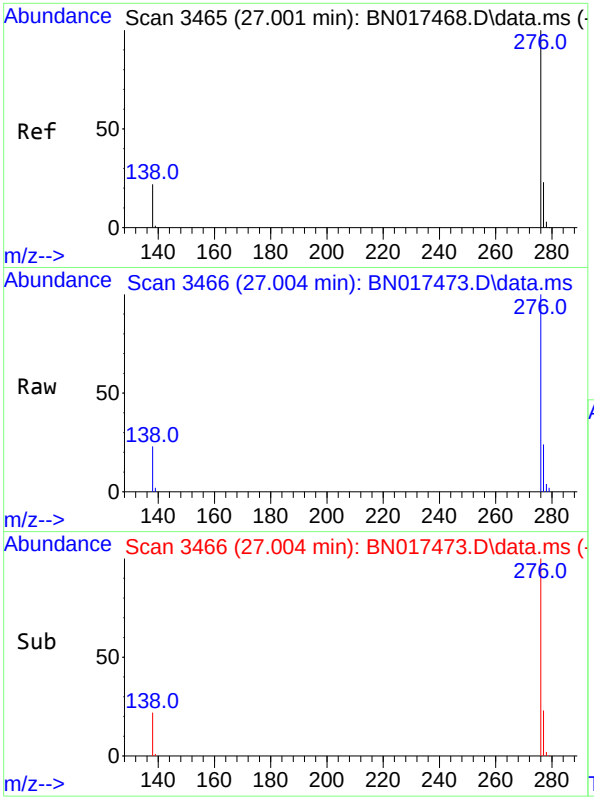


#40
Dibenzo(a,h)anthracene
Concen: 0.451 ng
RT: 26.275 min Scan# 3253
Delta R.T. 0.000 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Tgt Ion:278 Resp: 48652

Ion	Ratio	Lower	Upper
278	100		
139	19.1	13.0	19.6
279	24.9	19.2	28.8





#41
Benzo(g,h,i)perylene
Concen: 0.430 ng
RT: 27.004 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN017473.D
Acq: 16 Nov 2021 13:34

Instrument :
BNA_N
ClientSampleId :
ICVBN111621

Tgt Ion:276 Resp: 57352

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	22.7	17.1	25.7