Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111721\
Data File : BN017491.D
Acq On : 17 Nov 2021 10:51
Operator : CG/JU
Sample : PB140437BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Quant Time: Nov 17 11:24:11 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	29894	0.400	ng		0.00
7) Naphthalene-d8	10.661	136	129386	0.400	ng		# 0.00
13) Acenaphthene-d10	14.486	164	65705	0.400	ng		-0.01
19) Phenanthrene-d10	17.238	188	111595	0.400	ng		0.00
29) Chrysene-d12	21.420	240	84956	0.400	ng		# 0.00
35) Perylene-d12	23.794	264	63466	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.449	112	26245	0.369	ng		0.00
5) Phenol-d6	7.026	99	28143	0.368	ng		0.00
8) Nitrobenzene-d5	9.014	82	26986	0.336	ng		0.00
11) 2-Methylnaphthalene-d10	12.248	152	73555	0.346	ng		0.00
14) 2,4,6-Tribromophenol	15.983	330	5576	0.334	ng		0.00
15) 2-Fluorobiphenyl	13.128	172	89464	0.361	ng		0.00
27) Fluoranthene-d10	19.268	212	110659	0.332	ng		0.00
31) Terphenyl-d14	19.868	244	76551	0.367	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.402	88	6014	0.457	ng	#	89
3) n-Nitrosodimethylamine	3.725	42	8858	0.354	ng		93
6) bis(2-Chloroethyl)ether	7.293	93	30026	0.366	ng		94
9) Naphthalene	10.712	128	113637	0.349	ng		100
10) Hexachlorobutadiene	11.016	225	23731	0.349	ng	#	99
12) 2-Methylnaphthalene	12.324	142	72465	0.352	ng		98
16) Acenaphthylene	14.206	152	79532	0.325	ng		100
17) Acenaphthene	14.549	154	60557	0.341	ng		99
18) Fluorene	15.539	166	69670	0.341	ng		99
20) 4,6-Dinitro-2-methylph...	15.615	198	911	0.332	ng		93
21) 4-Bromophenyl-phenylether	16.435	248	21162	0.335	ng	#	66
22) Hexachlorobenzene	16.544	284	24576	0.344	ng		97
23) Atrazine	16.702	200	11679	0.324	ng		98
24) Pentachlorophenol	16.885	266	6599	0.443	ng		99
25) Phenanthrene	17.274	178	107299	0.350	ng		100
26) Anthracene	17.359	178	84498	0.332	ng		100
28) Fluoranthene	19.297	202	113753	0.346	ng		100
30) Pyrene	19.660	202	111958	0.367	ng		100
32) Benzo(a)anthracene	21.398	228	87698	0.333	ng		98
33) Chrysene	21.452	228	95258	0.352	ng		98
34) Bis(2-ethylhexyl)phtha...	21.345	149	40870	0.297	ng		99
36) Indeno(1,2,3-cd)pyrene	26.238	276	44297	0.302	ng	#	95
37) Benzo(b)fluoranthene	23.071	252	83456	0.350	ng		97
38) Benzo(k)fluoranthene	23.119	252	76611	0.350	ng	#	96
39) Benzo(a)pyrene	23.684	252	60556	0.327	ng		97
40) Dibenzo(a,h)anthracene	26.262	278	32375	0.291	ng	#	81
41) Benzo(g,h,i)perylene	26.980	276	43385	0.315	ng		98

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

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Instrument :
BNA_N
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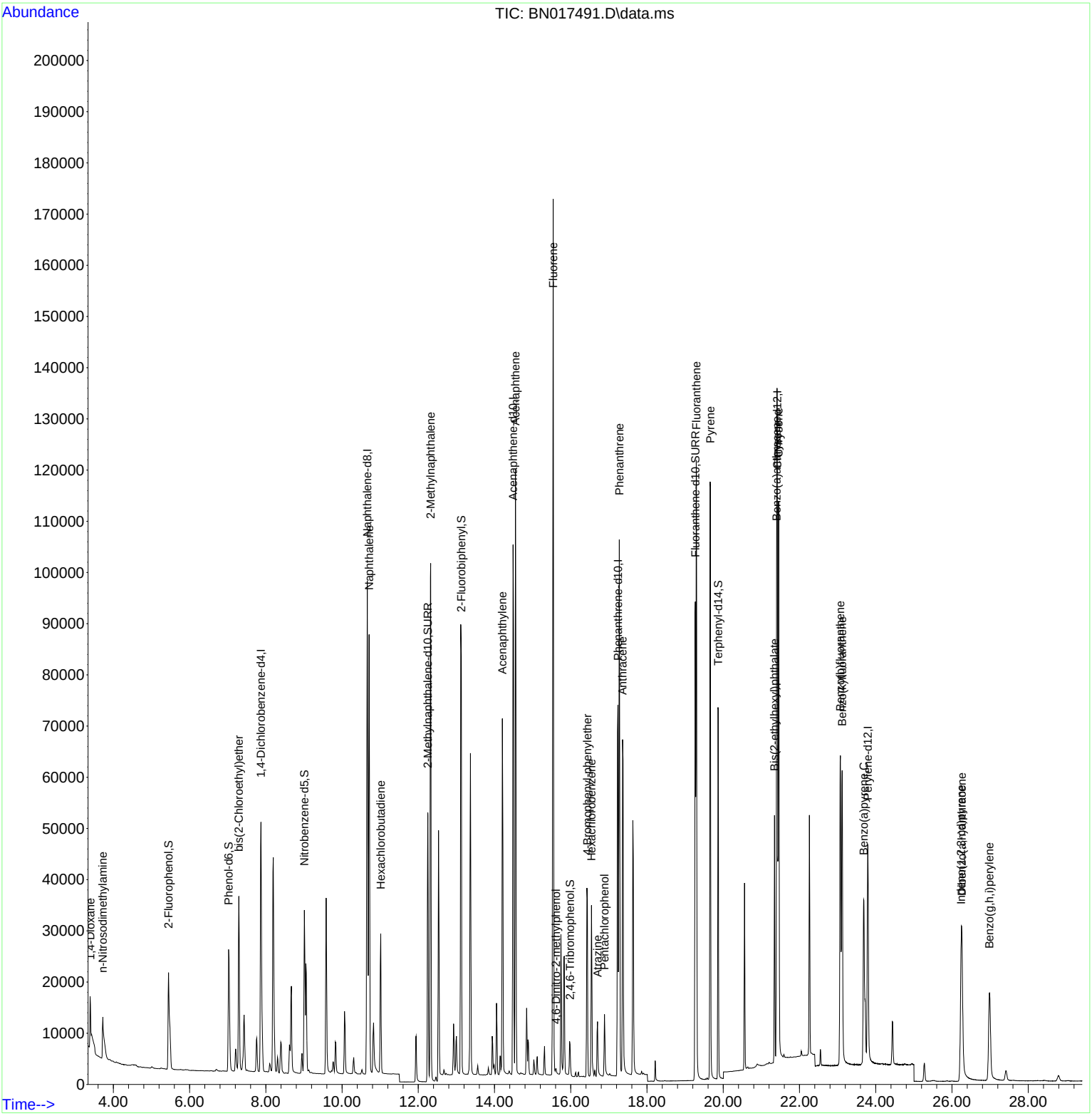
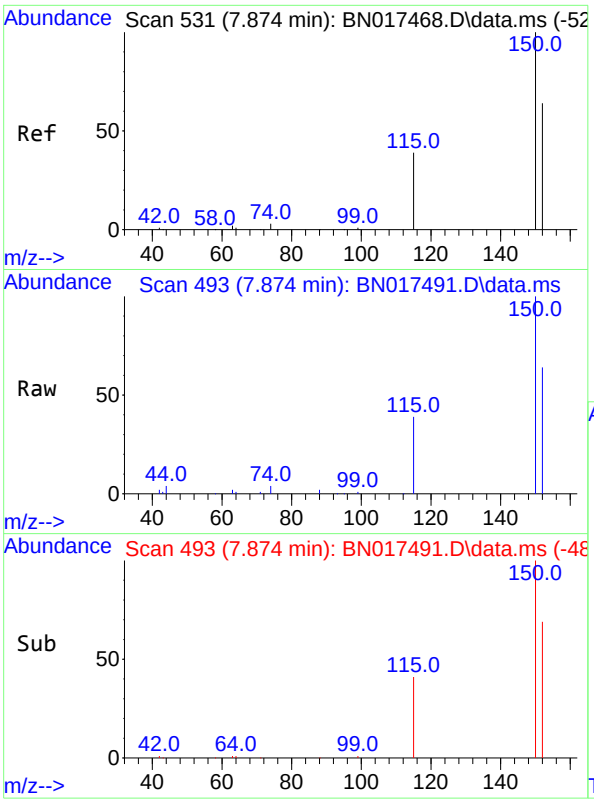
Quant Time: Nov 17 11:24:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN111621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 16 14:06:59 2021
Response via : Initial Calibration



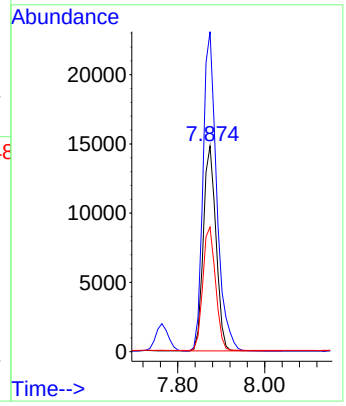


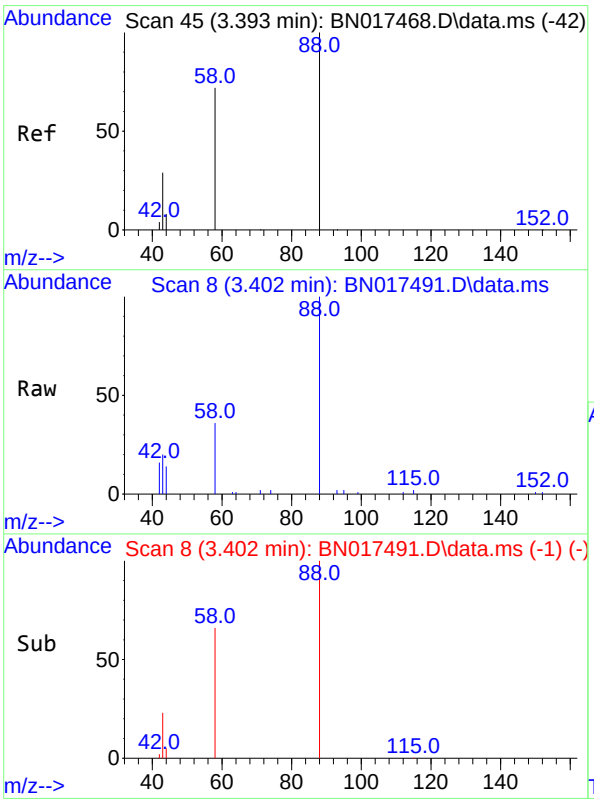
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.874 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:152 Resp: 29894

Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.0	184.4
115	60.6	45.6	68.4

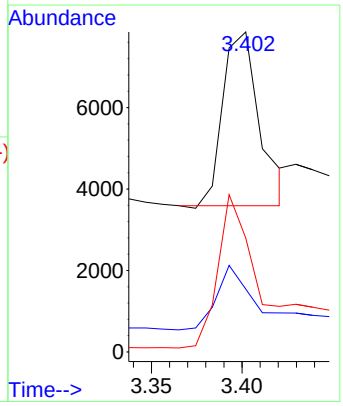


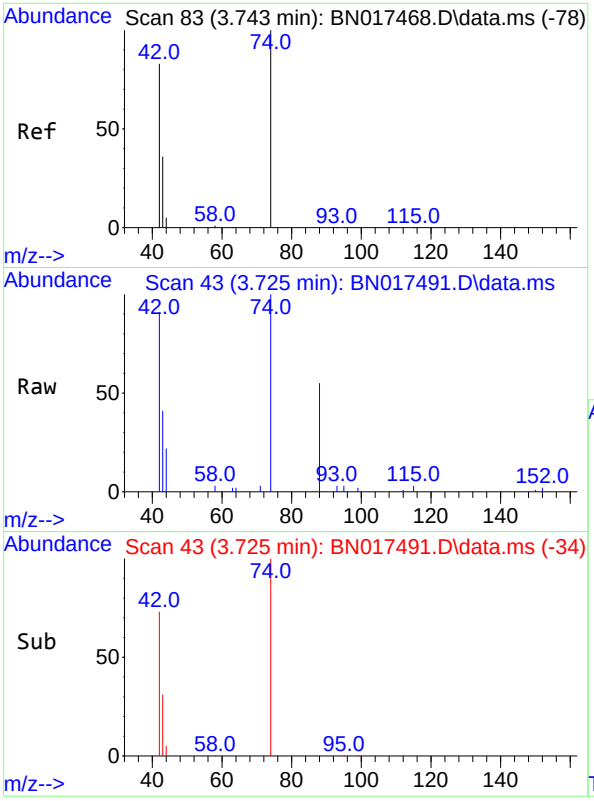


#2
1,4-Dioxane
Concen: 0.457 ng
RT: 3.402 min Scan# 8
Delta R.T. 0.009 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion: 88 Resp: 6014

Ion	Ratio	Lower	Upper
88	100		
43	37.1	24.7	37.1#
58	88.9	63.0	94.6



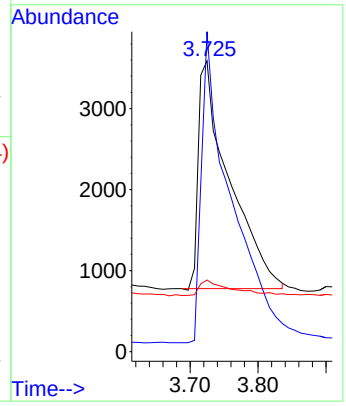


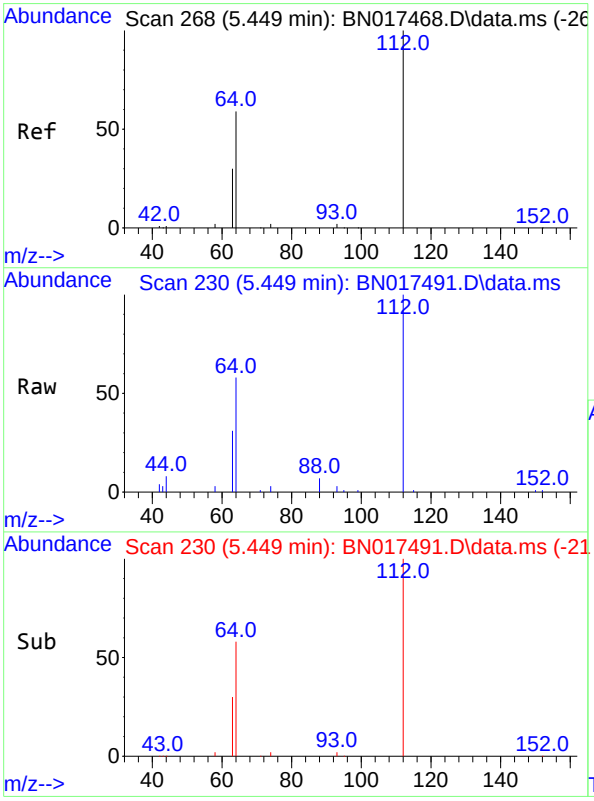
#3
n-Nitrosodimethylamine
Concen: 0.354 ng
RT: 3.725 min Scan# 4
Delta R.T. -0.018 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion: 42 Resp: 8858

Ion	Ratio	Lower	Upper
42	100		
74	130.7	97.8	146.6
44	6.9	5.5	8.3

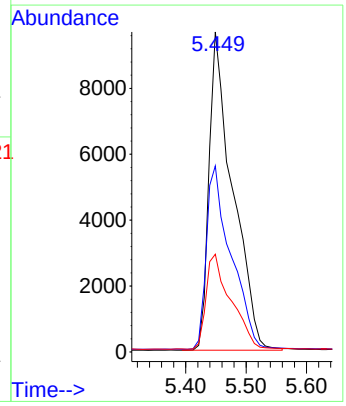


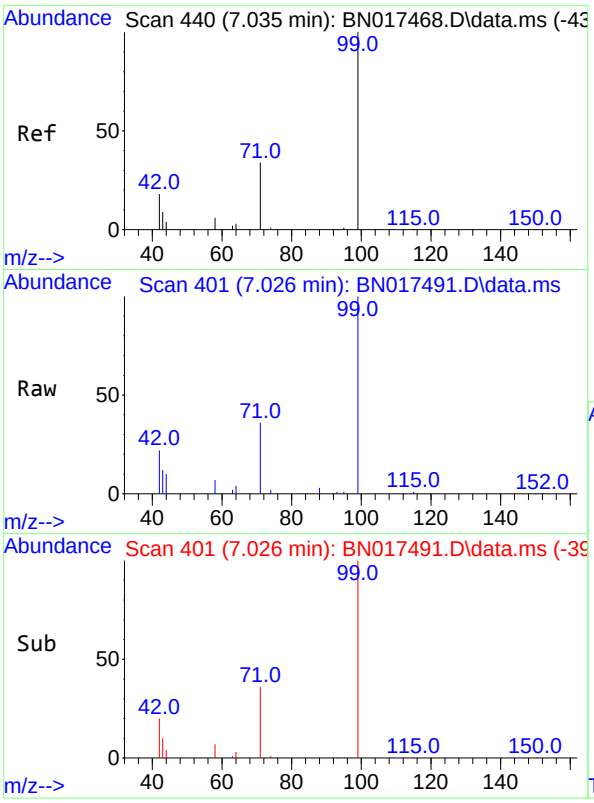


#4
2-Fluorophenol
Concen: 0.369 ng
RT: 5.449 min Scan# 230
Delta R.T. 0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:112 Resp: 26245

Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.6	71.4
63	31.6	24.6	37.0



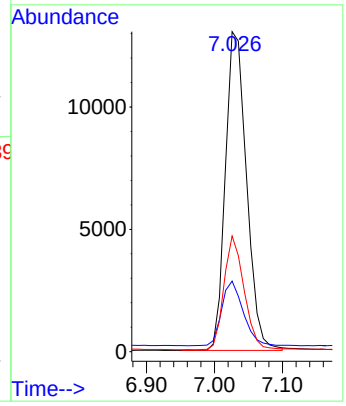


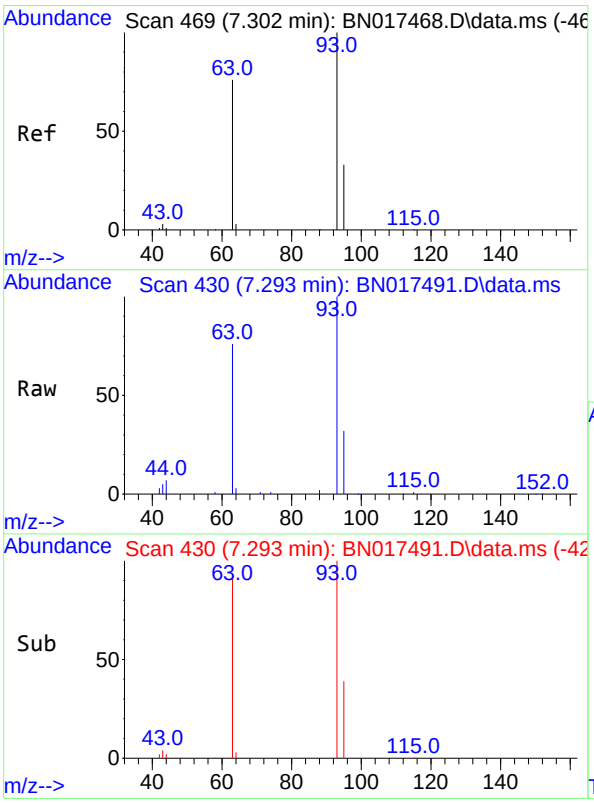
#5
Phenol-d6
Concen: 0.368 ng
RT: 7.026 min Scan# 4(
Delta R.T. -0.009 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion: 99 Resp: 28143

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	33.8	24.8	37.2

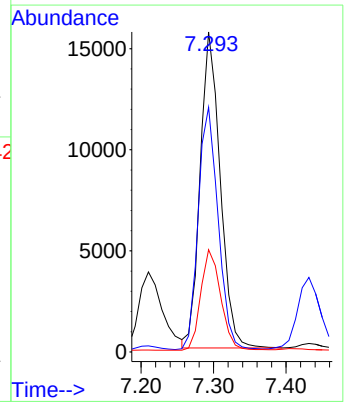


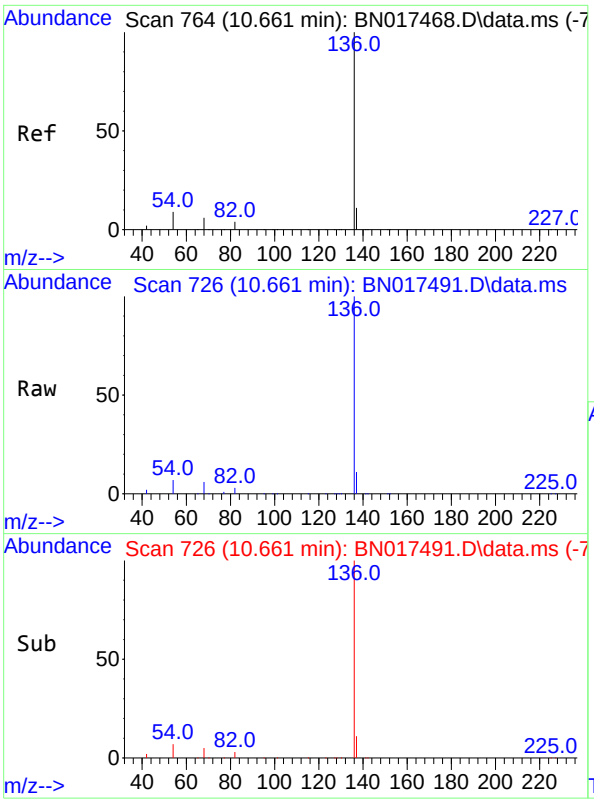


#6
bis(2-Chloroethyl)ether
Concen: 0.366 ng
RT: 7.293 min Scan# 430
Delta R.T. -0.009 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion: 93 Resp: 30026

Ion	Ratio	Lower	Upper
93	100		
63	76.1	65.8	98.6
95	31.6	26.6	39.8



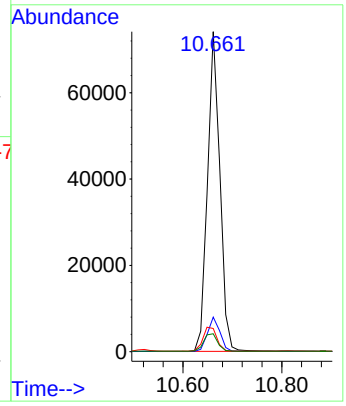


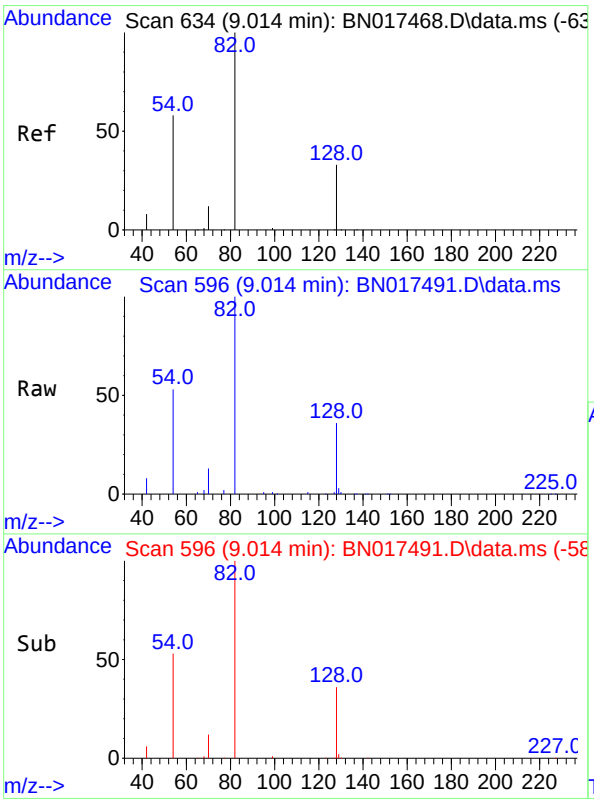
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:136 Resp: 129386

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.3	4.0	6.0#
68	5.6	3.0	4.6#

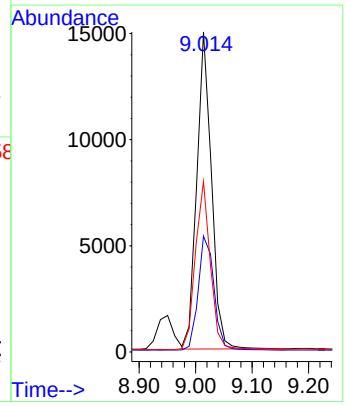


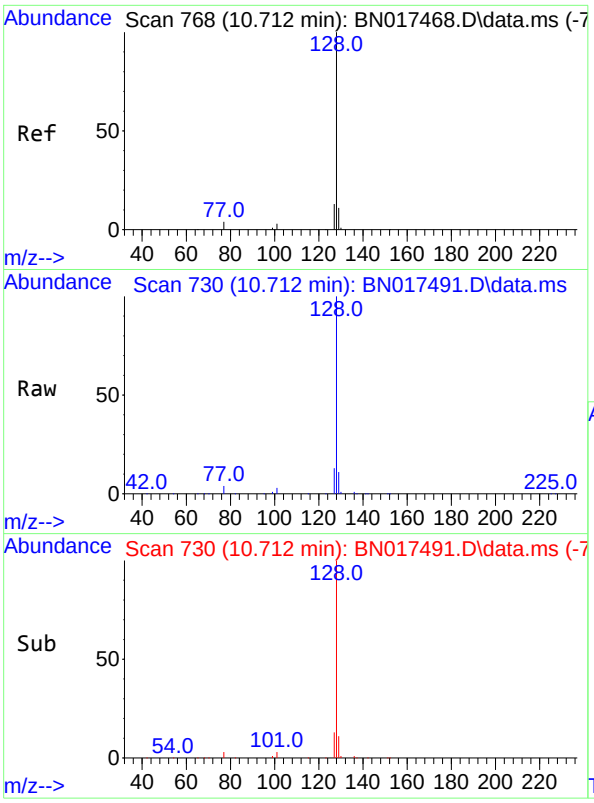


#8
Nitrobenzene-d5
Concen: 0.336 ng
RT: 9.014 min Scan# 596
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion: 82 Resp: 26986

Ion	Ratio	Lower	Upper
82	100		
128	36.2	27.7	41.5
54	53.3	49.2	73.8



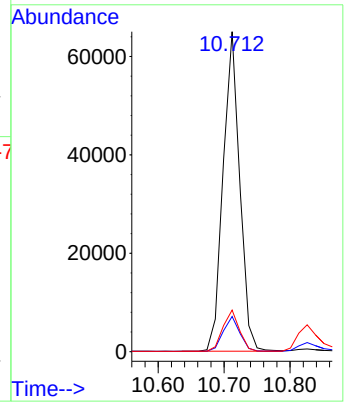


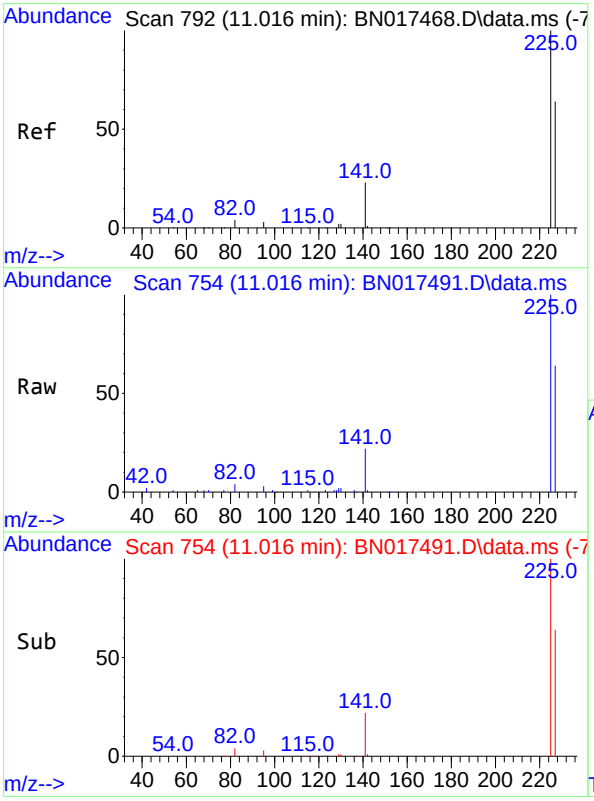
#9
Naphthalene
Concen: 0.349 ng
RT: 10.712 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:128 Resp: 113637

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.6	15.8

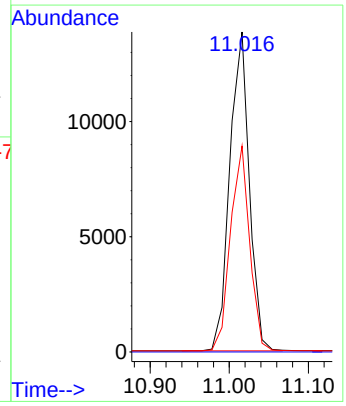


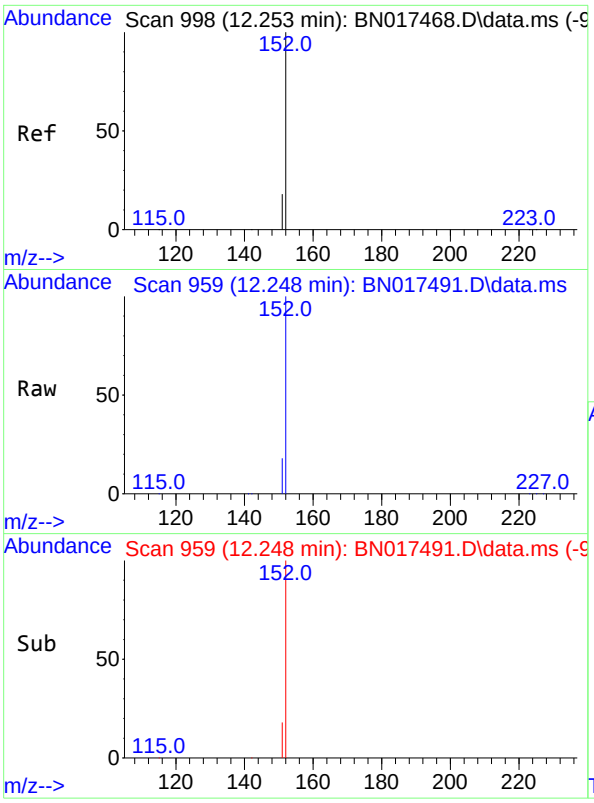


#10
Hexachlorobutadiene
Concen: 0.349 ng
RT: 11.016 min Scan# 754
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:225 Resp: 23731

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.1	76.7



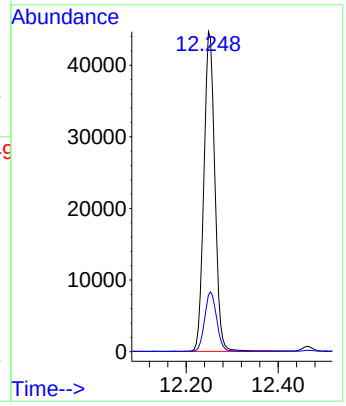


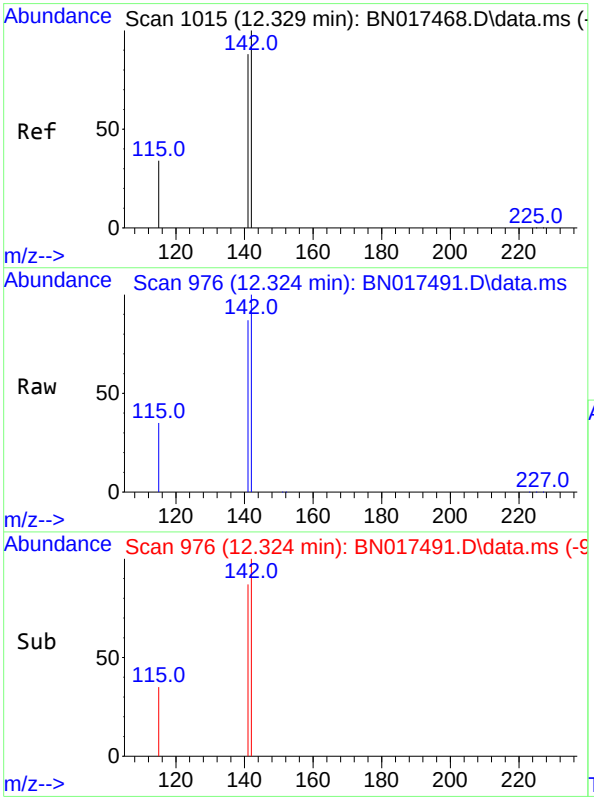
#11
2-Methylnaphthalene-d10
Concen: 0.346 ng
RT: 12.248 min Scan# 9
Delta R.T. -0.004 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:152 Resp: 73555

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4

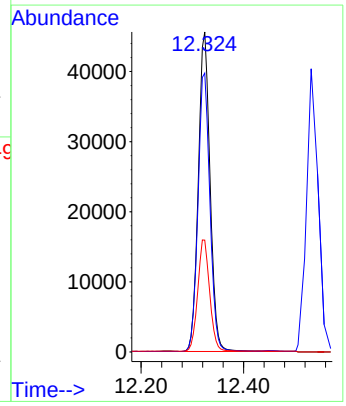


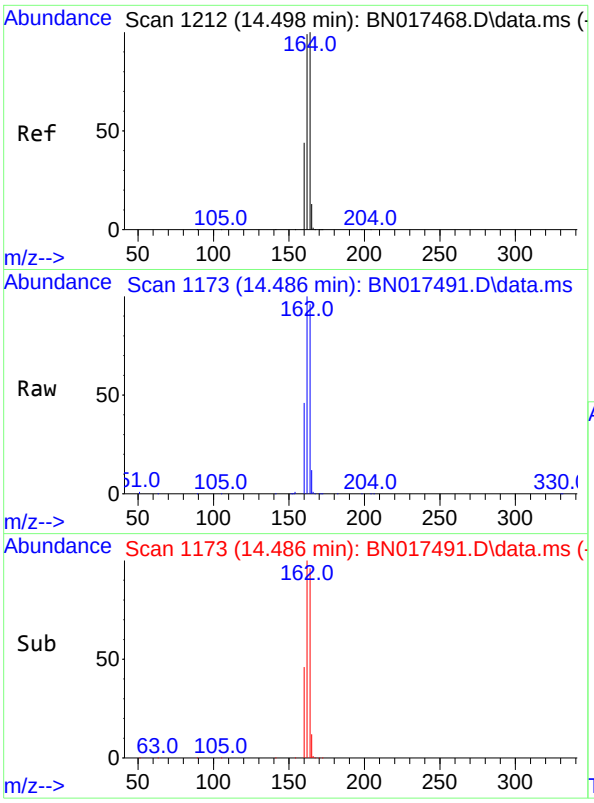


#12
2-Methylnaphthalene
Concen: 0.352 ng
RT: 12.324 min Scan# 976
Delta R.T. -0.004 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:142 Resp: 72465

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.6	106.0
115	35.0	25.8	38.6



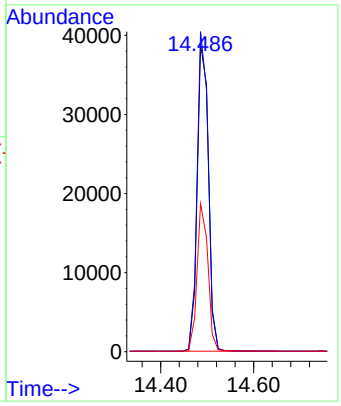


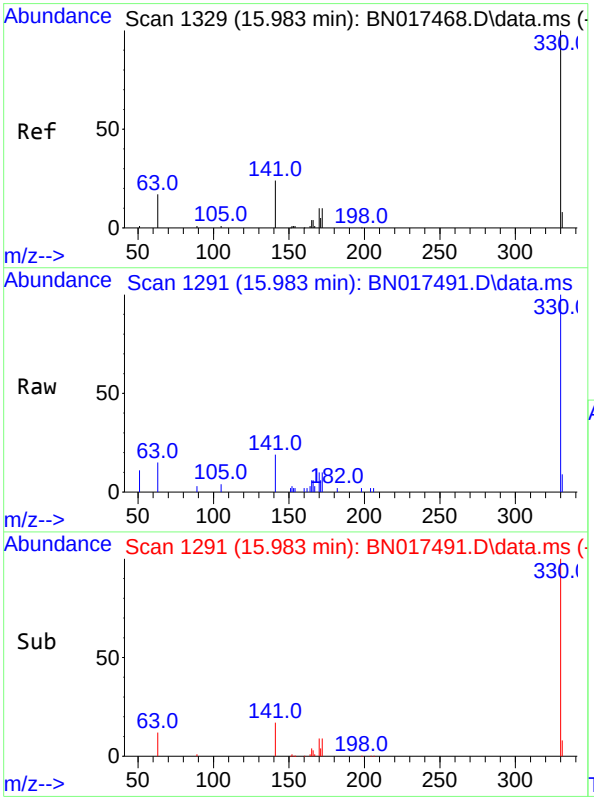
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:164 Resp: 65705

Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.4	122.2
160	48.2	36.8	55.2

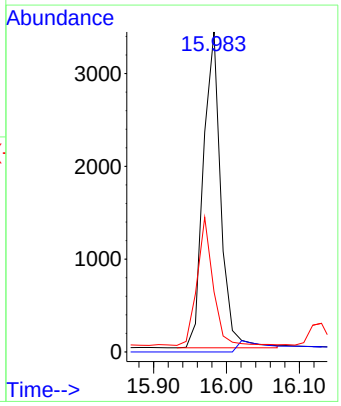


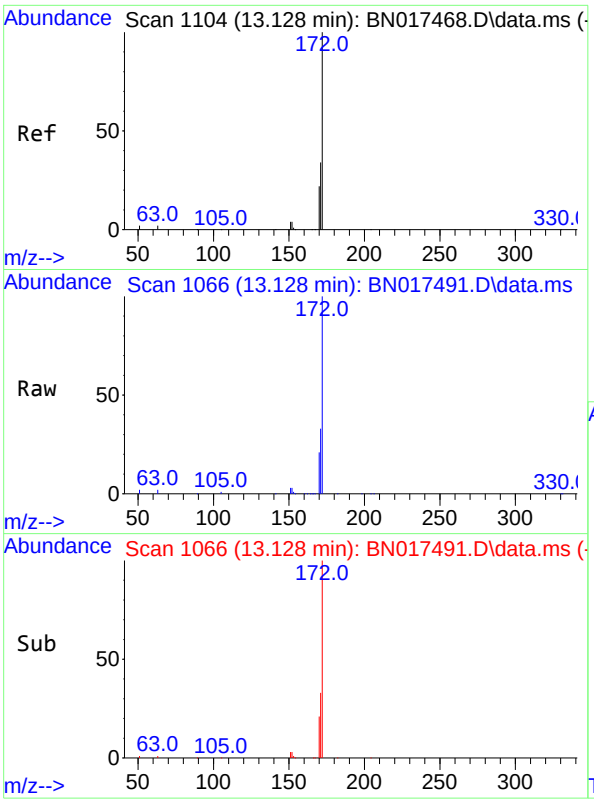


#14
2,4,6-Tribromophenol
Concen: 0.334 ng
RT: 15.983 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:330 Resp: 5576

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.4	28.9	43.3



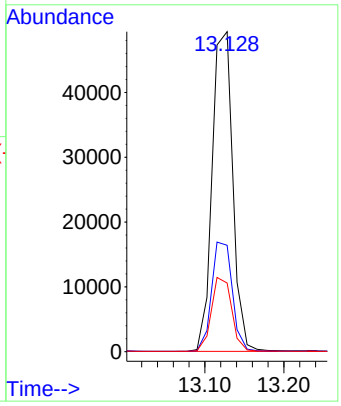


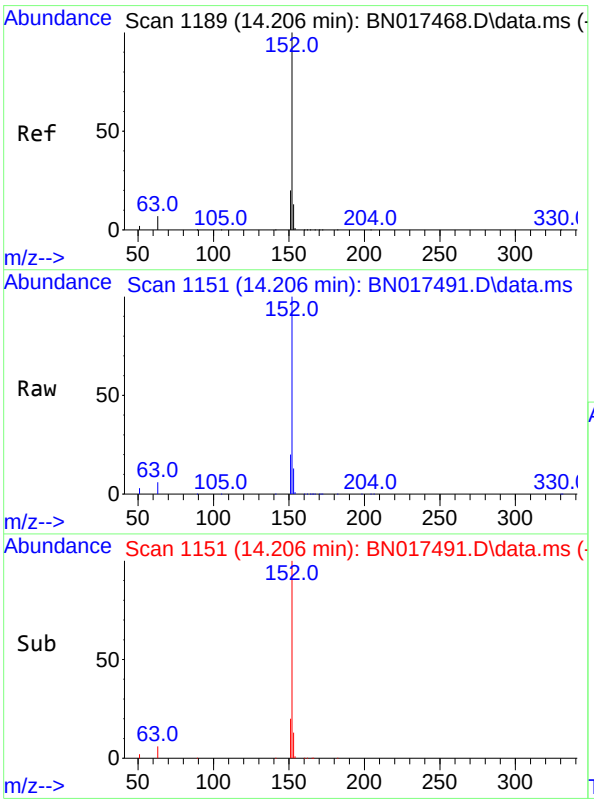
#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 13.128 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:172 Resp: 89464

Ion	Ratio	Lower	Upper
172	100		
171	33.3	28.7	43.1
170	21.4	19.4	29.2

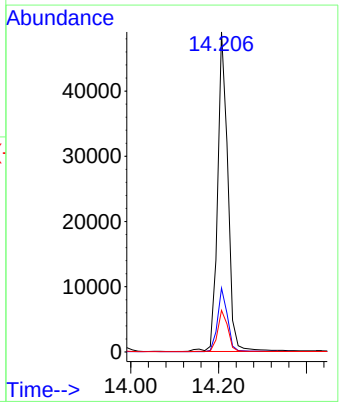


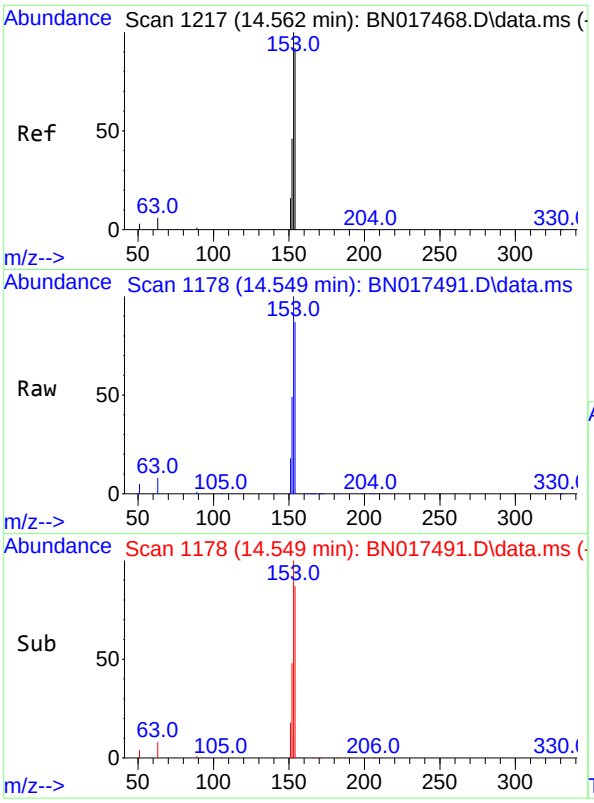


#16
Acenaphthylene
Concen: 0.325 ng
RT: 14.206 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:152 Resp: 79532

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



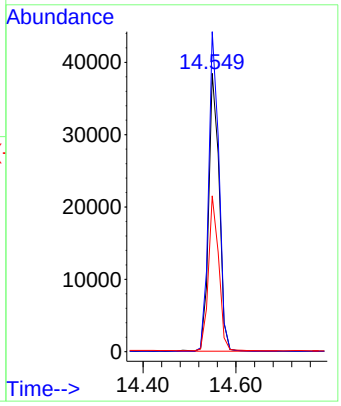


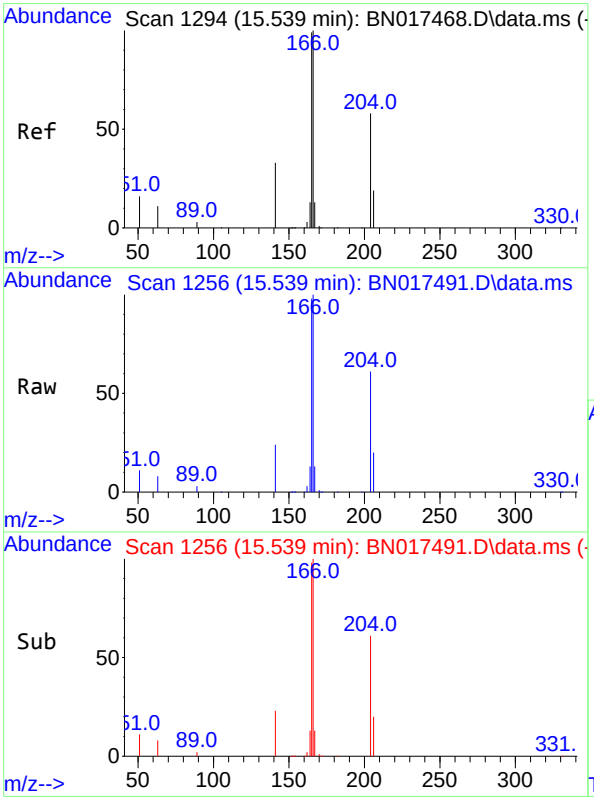
#17
Acenaphthene
Concen: 0.341 ng
RT: 14.549 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:154 Resp: 60557

Ion	Ratio	Lower	Upper
154	100		
153	113.1	91.2	136.8
152	54.6	44.3	66.5

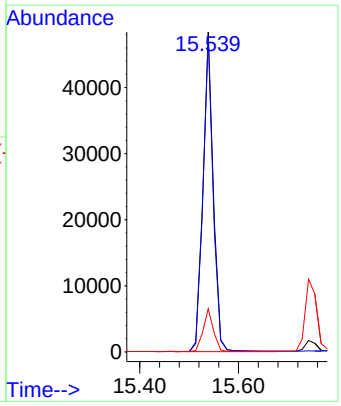


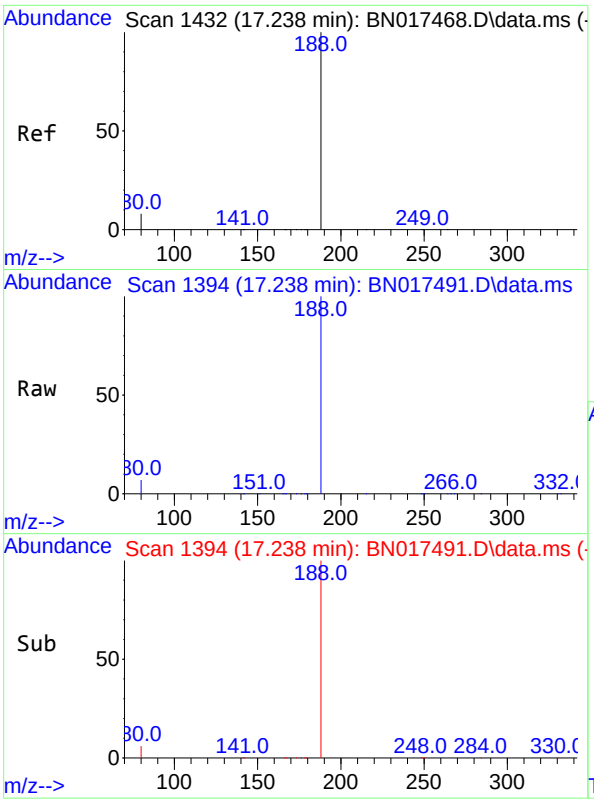


#18
Fluorene
Concen: 0.341 ng
RT: 15.539 min Scan# 1256
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:166 Resp: 69670

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.9	116.9
167	13.4	10.9	16.3



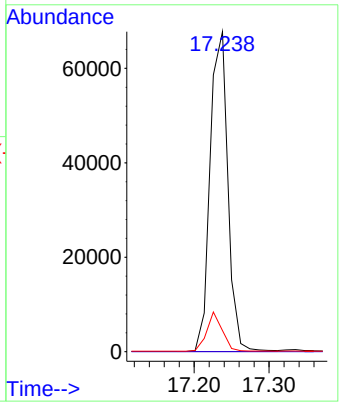


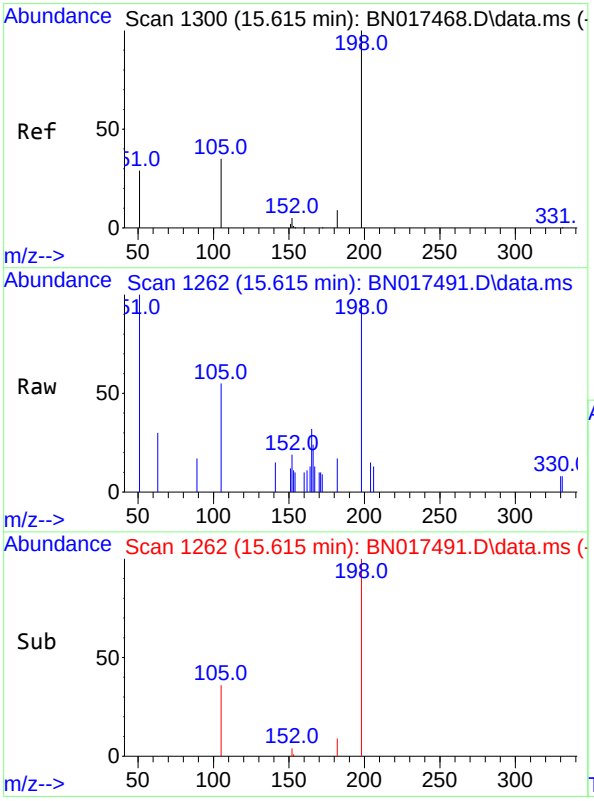
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.238 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:188 Resp: 111595

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.1	9.1

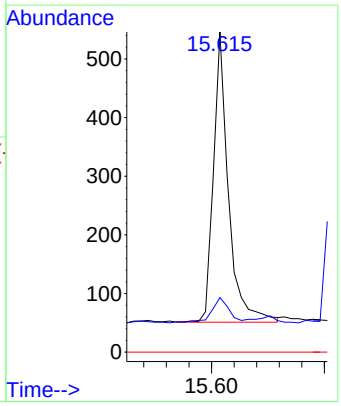


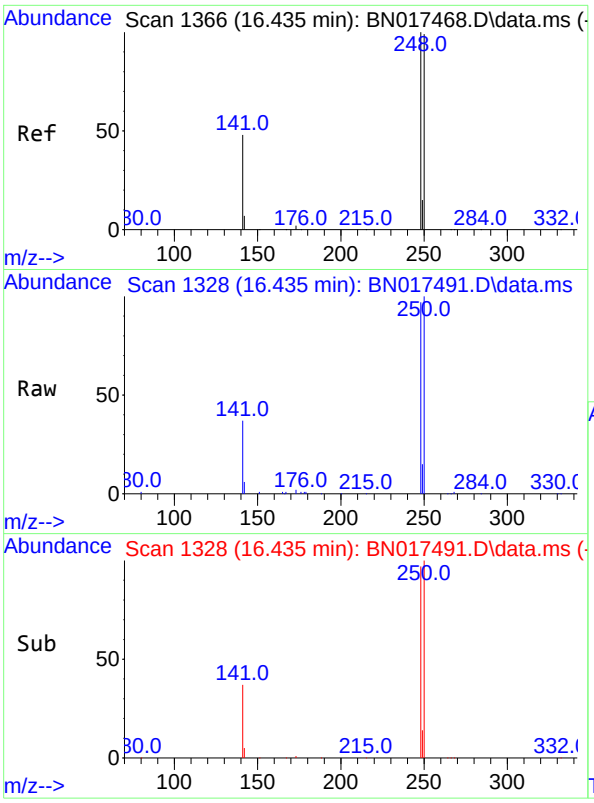


#20
4,6-Dinitro-2-methylphenol
Concen: 0.332 ng
RT: 15.615 min Scan# 1262
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:198 Resp: 911

Ion	Ratio	Lower	Upper
198	100		
182	17.0	11.4	17.2
77	0.0	0.0	0.0



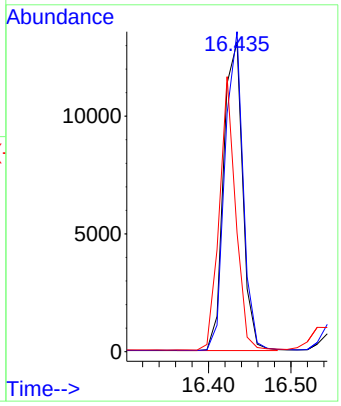


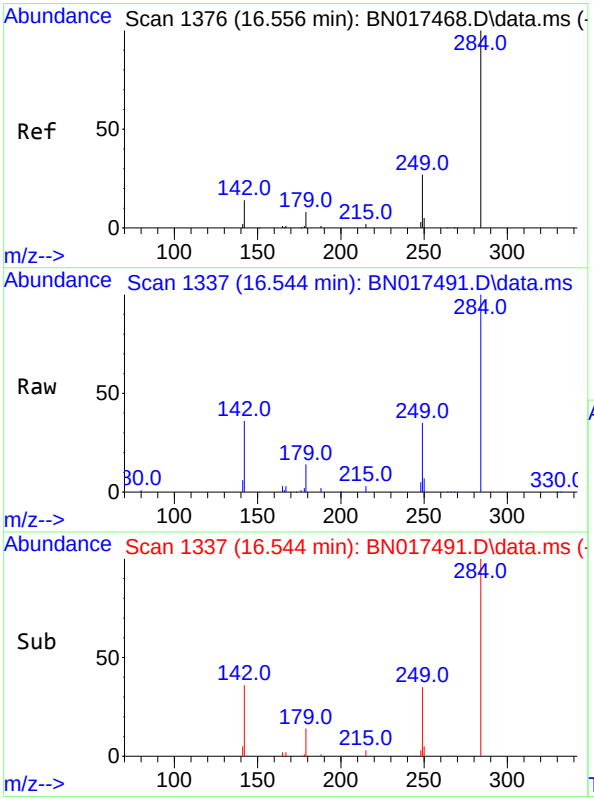
#21
4-Bromophenyl-phenylether
Concen: 0.335 ng
RT: 16.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:248 Resp: 21162

Ion	Ratio	Lower	Upper
248	100		
250	103.4	71.8	107.8
141	38.5	70.9	106.3#

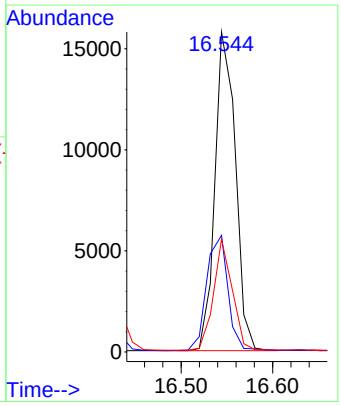


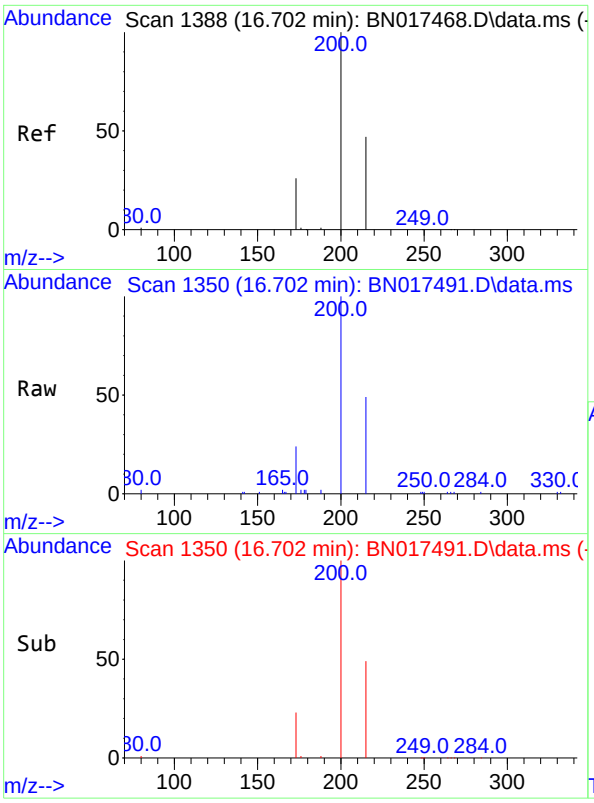


#22
Hexachlorobenzene
Concen: 0.344 ng
RT: 16.544 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:284 Resp: 24576

Ion	Ratio	Lower	Upper
284	100		
142	37.5	28.2	42.2
249	31.7	24.4	36.6



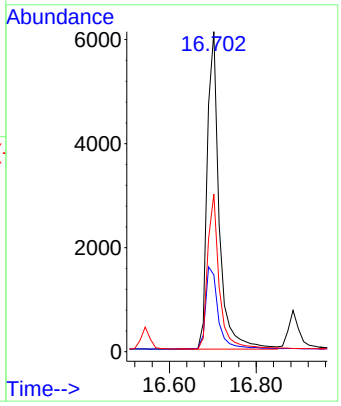


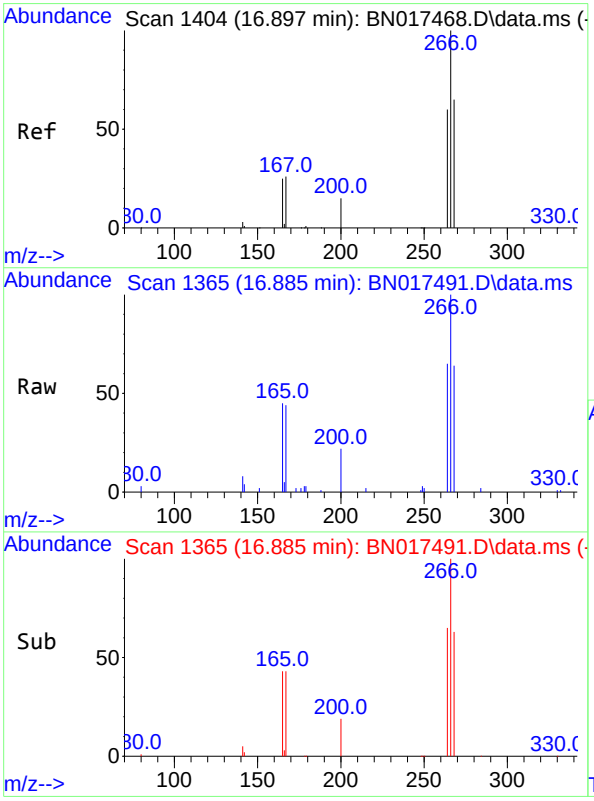
#23
Atrazine
Concen: 0.324 ng
RT: 16.702 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:200 Resp: 11679

Ion	Ratio	Lower	Upper
200	100		
173	24.0	17.6	26.4
215	49.2	40.2	60.4

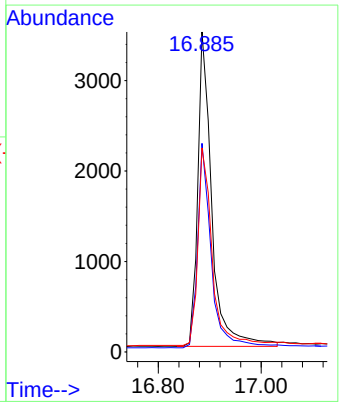


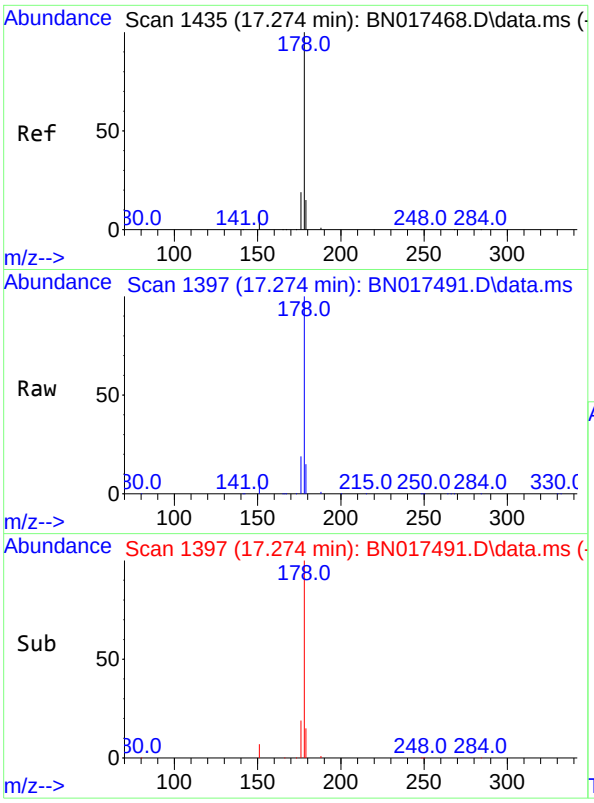


#24
Pentachlorophenol
Concen: 0.443 ng
RT: 16.885 min Scan# 1365
Delta R.T. -0.012 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:266 Resp: 6599

Ion	Ratio	Lower	Upper
266	100		
264	63.7	49.8	74.8
268	64.9	51.3	76.9



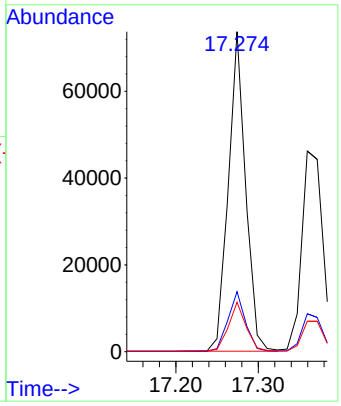


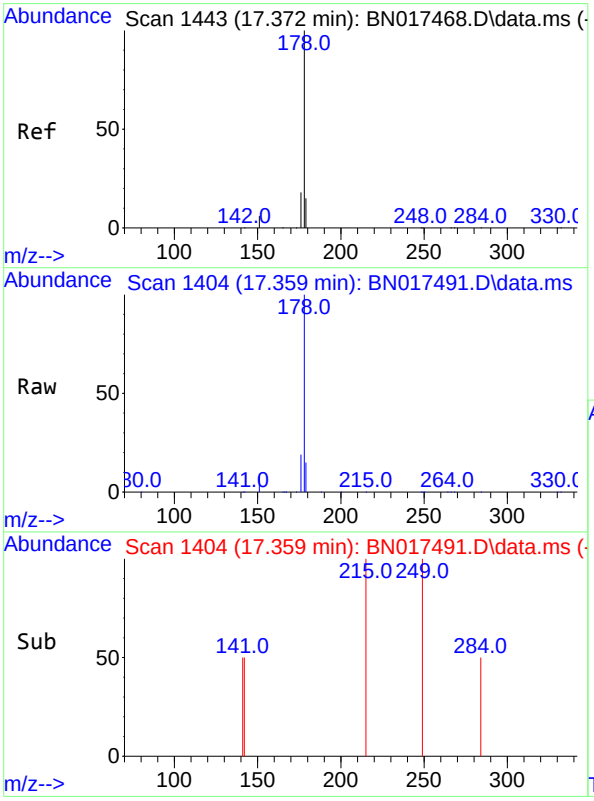
#25
Phenanthrene
Concen: 0.350 ng
RT: 17.274 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:178 Resp: 107299

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.7	12.3	18.5

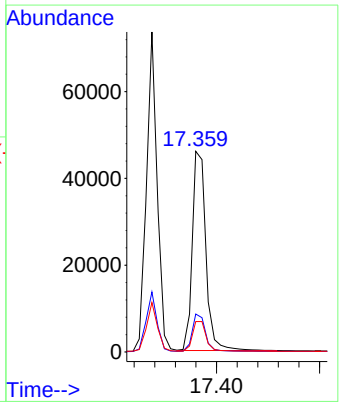


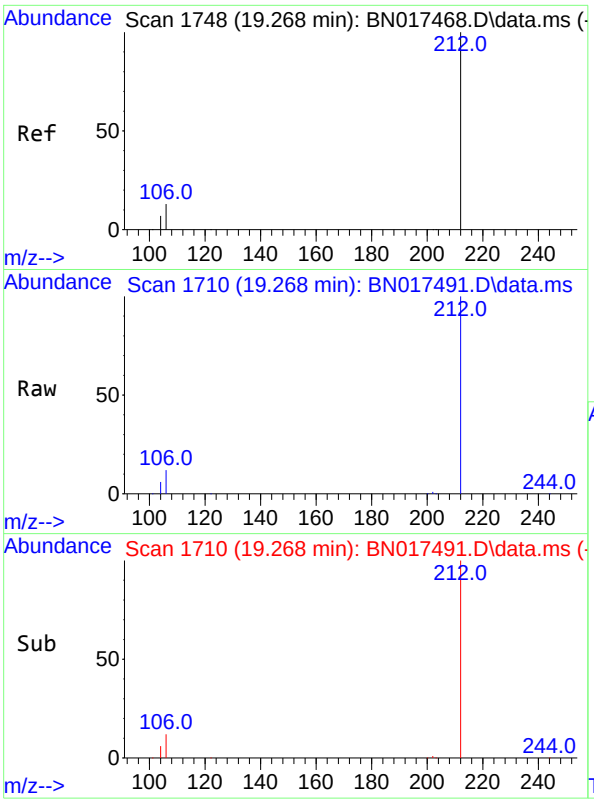


#26
Anthracene
Concen: 0.332 ng
RT: 17.359 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:178 Resp: 84498

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.2	12.2	18.4



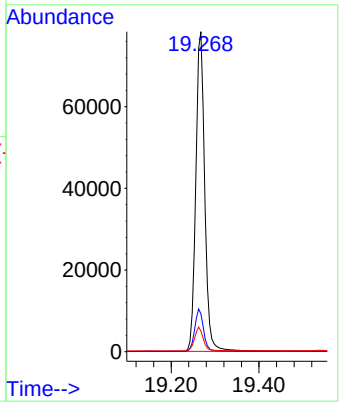


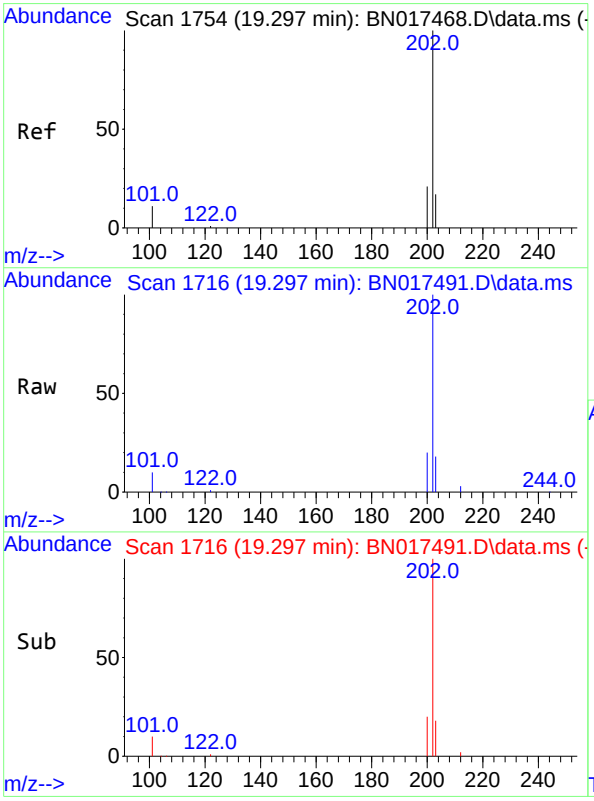
#27
Fluoranthene-d10
Concen: 0.332 ng
RT: 19.268 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:212 Resp: 110659

Ion	Ratio	Lower	Upper
212	100		
106	13.1	10.5	15.7
104	7.3	5.8	8.6

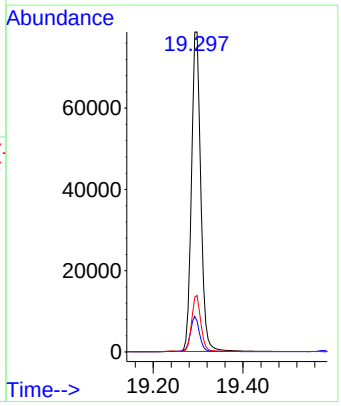


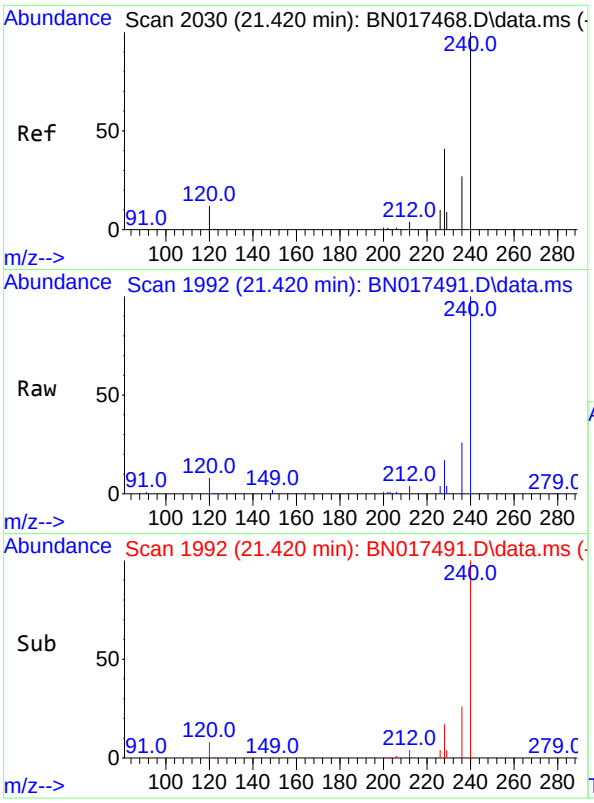


#28
Fluoranthene
Concen: 0.346 ng
RT: 19.297 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:202 Resp: 113753

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.9	13.3
203	17.3	13.8	20.6



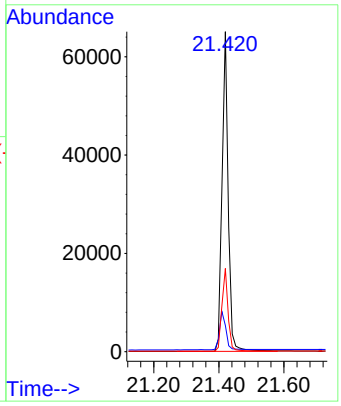


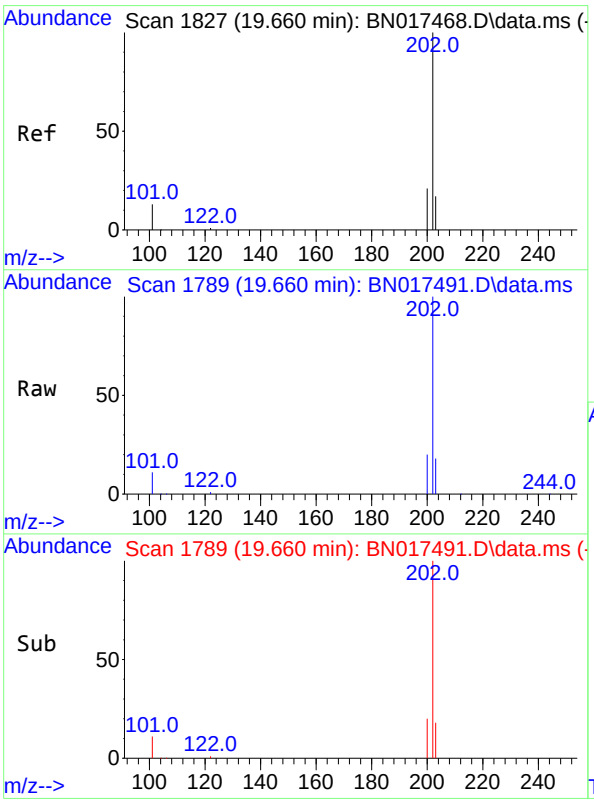
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:240 Resp: 84956

Ion	Ratio	Lower	Upper
240	100		
120	8.2	4.2	6.2#
236	26.0	20.0	30.0

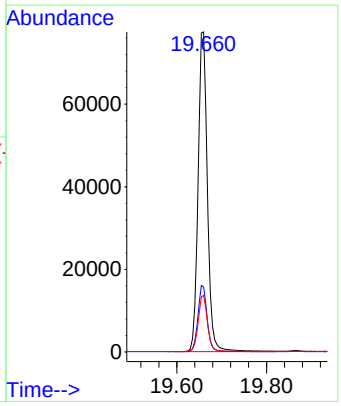


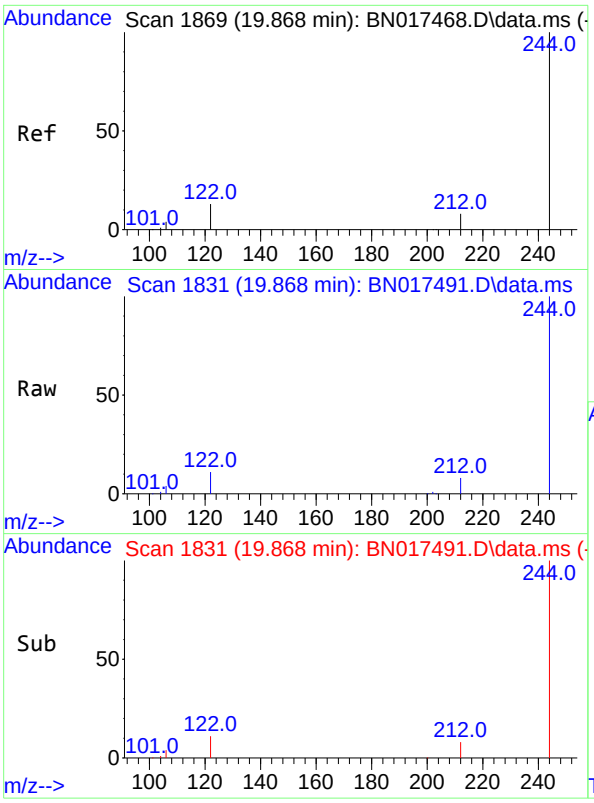


#30
Pyrene
Concen: 0.367 ng
RT: 19.660 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:202 Resp: 111958

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.5	14.0	21.0



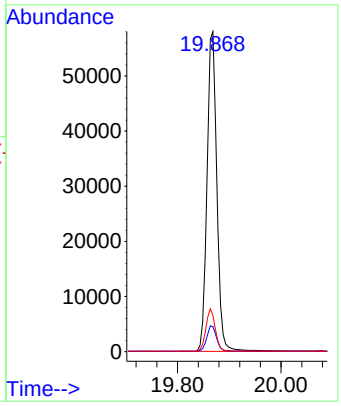


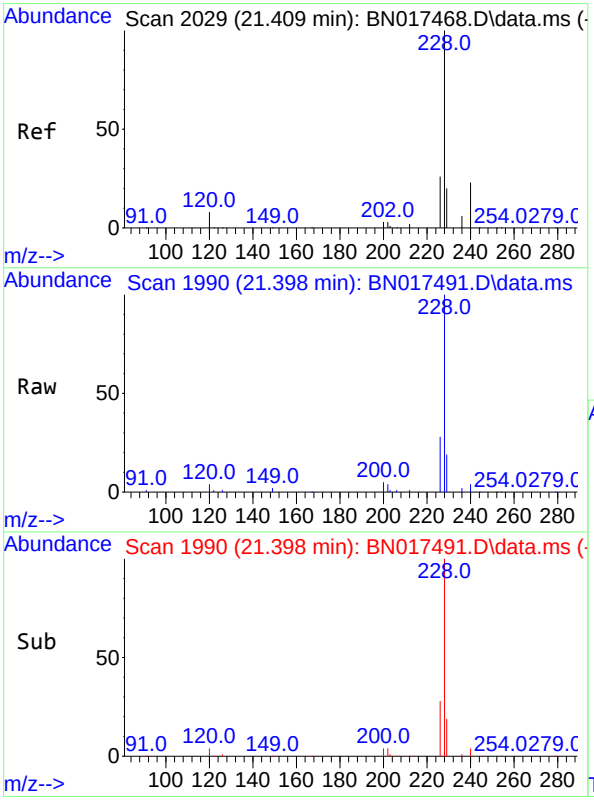
#31
Terphenyl-d14
Concen: 0.367 ng
RT: 19.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:244 Resp: 76551

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	11.3	8.6	13.0

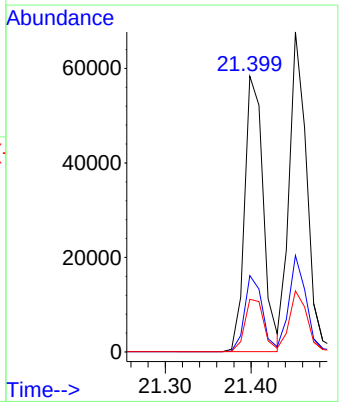


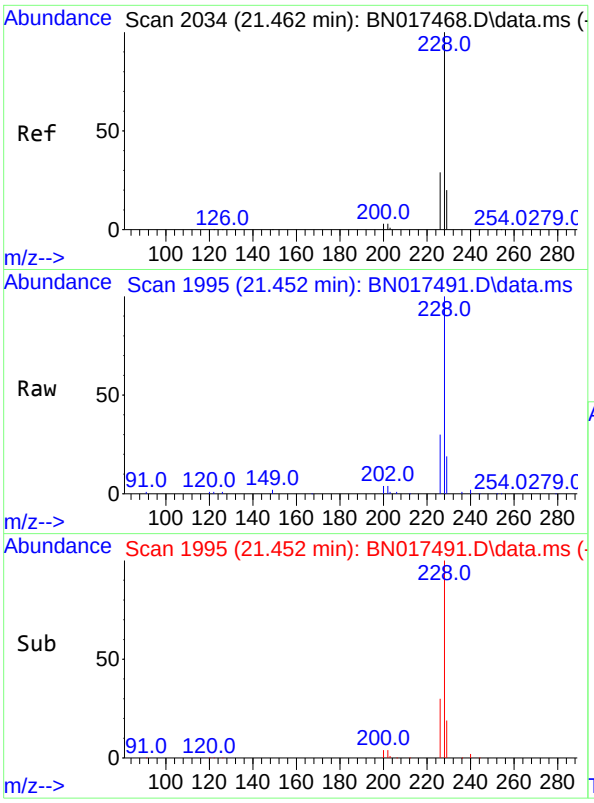


#32
Benzo(a)anthracene
Concen: 0.333 ng
RT: 21.398 min Scan# 1990
Delta R.T. -0.011 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:228 Resp: 87698

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.3	31.9
229	19.1	15.7	23.5



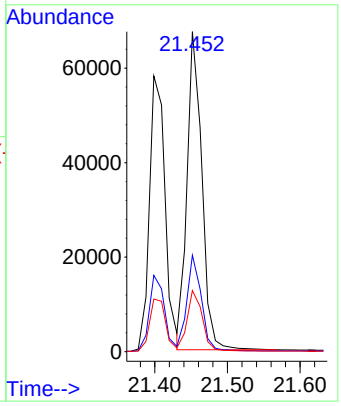


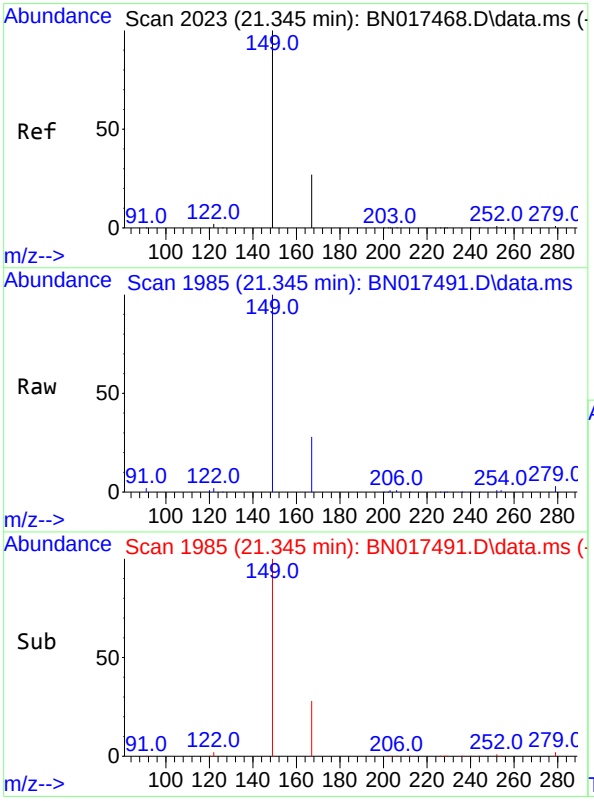
#33
Chrysene
Concen: 0.352 ng
RT: 21.452 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:228 Resp: 95258

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	19.1	15.6	23.4

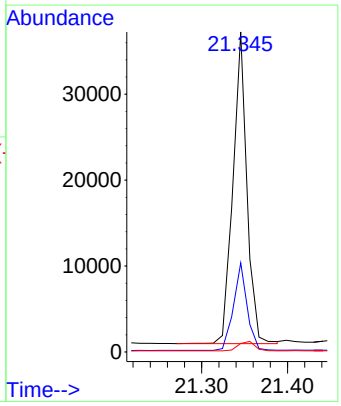


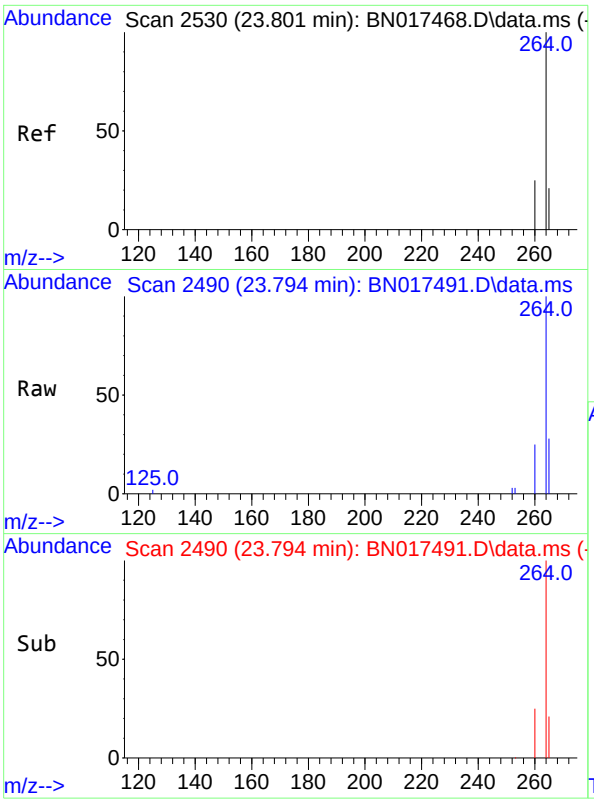


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.297 ng
RT: 21.345 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:149 Resp: 40870

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.8	32.6
279	3.6	3.4	5.0



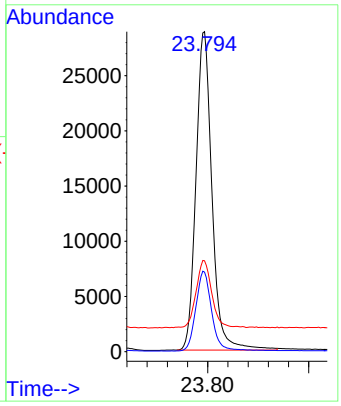


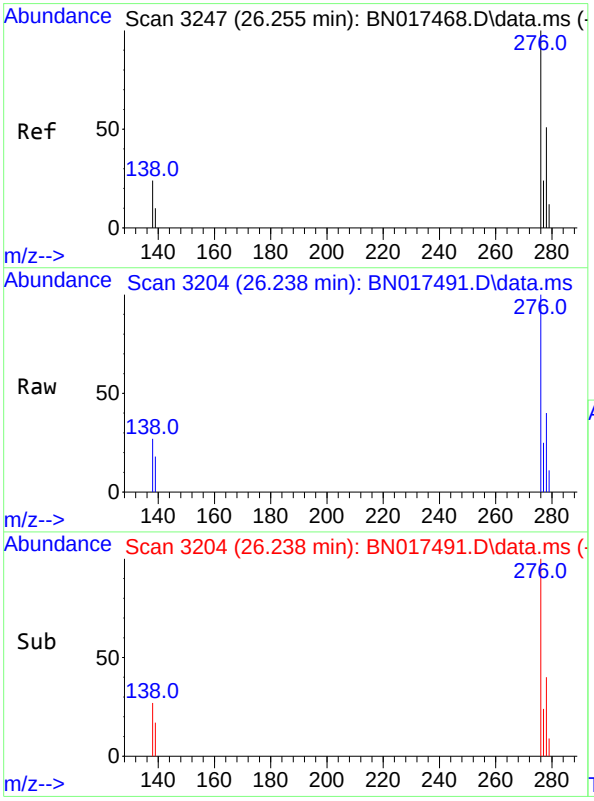
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.794 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:264 Resp: 63466

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	28.4	18.6	28.0#

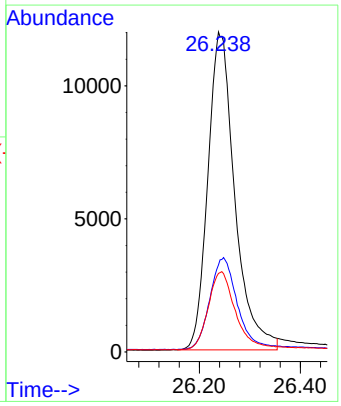


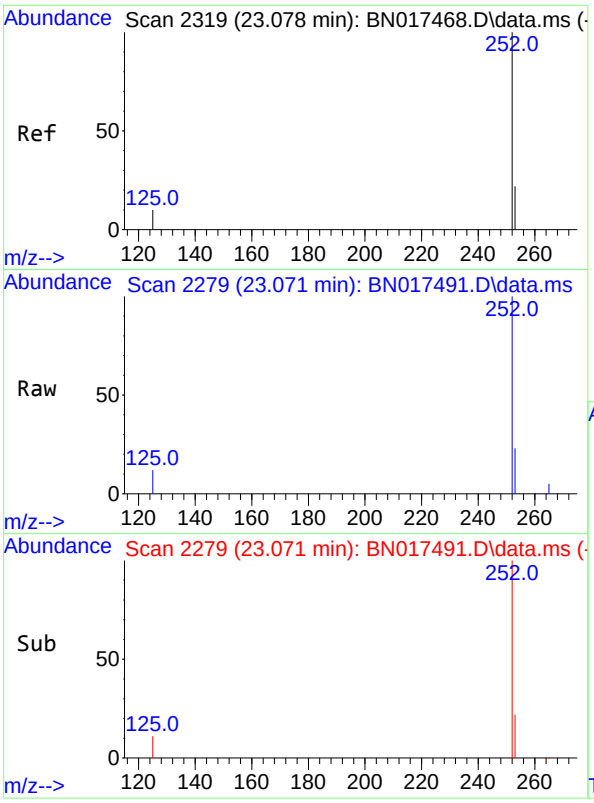


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.302 ng
RT: 26.238 min Scan# 3204
Delta R.T. -0.017 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:276 Resp: 44297

Ion	Ratio	Lower	Upper
276	100		
138	29.6	19.7	29.5#
277	24.8	20.0	30.0



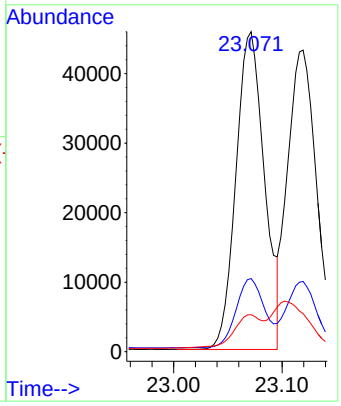


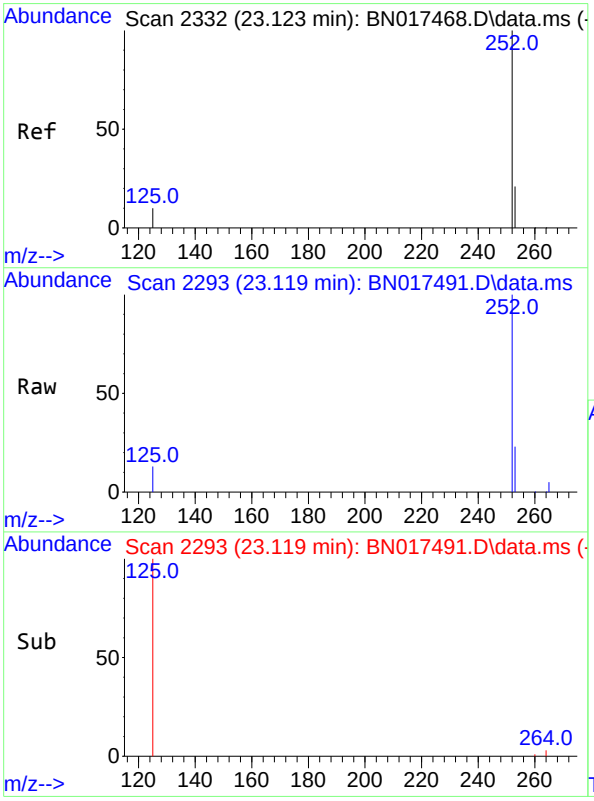
#37
Benzo(b)fluoranthene
Concen: 0.350 ng
RT: 23.071 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:252 Resp: 83456

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	11.6	7.8	11.8

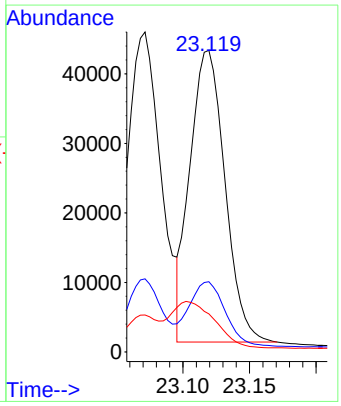


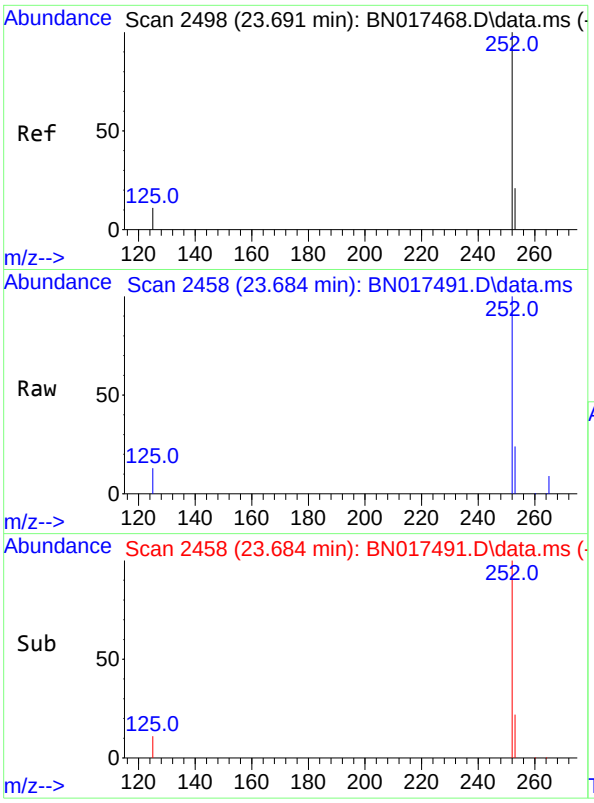


#38
Benzo(k)fluoranthene
Concen: 0.350 ng
RT: 23.119 min Scan# 2293
Delta R.T. -0.003 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:252 Resp: 76611

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	12.7	8.2	12.2#



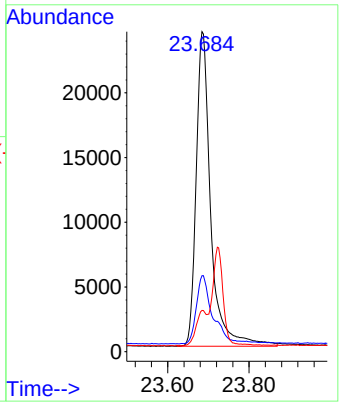


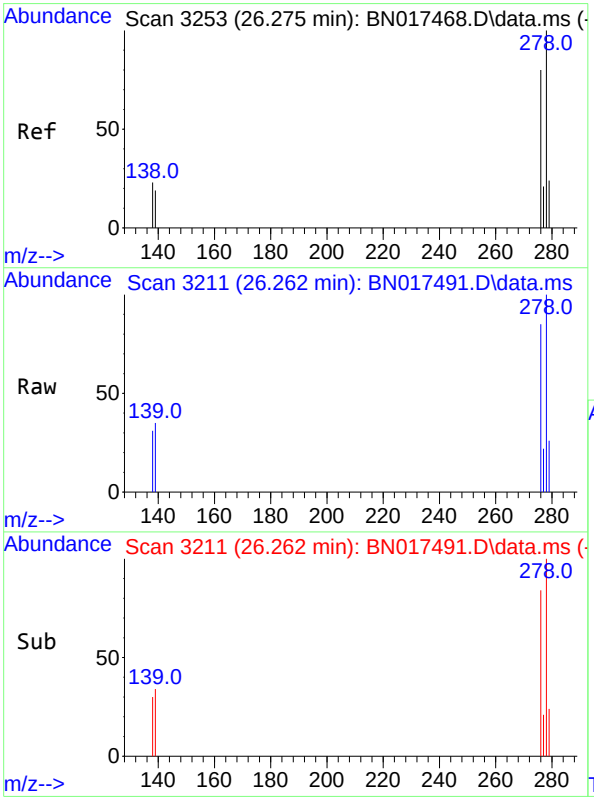
#39
Benzo(a)pyrene
Concen: 0.327 ng
RT: 23.684 min Scan# 24
Delta R.T. -0.007 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:252 Resp: 60556

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	12.9	9.2	13.8

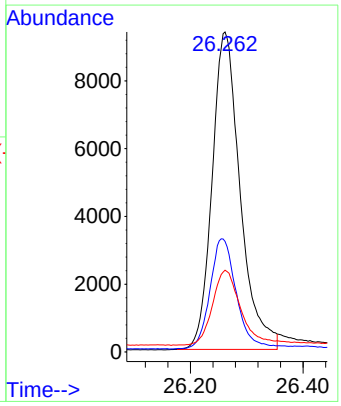


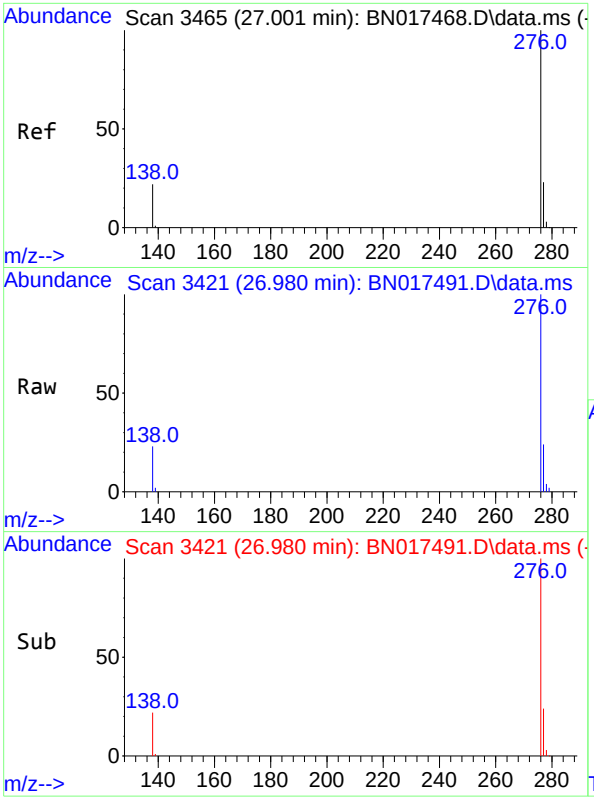


#40
Dibenzo(a,h)anthracene
Concen: 0.291 ng
RT: 26.262 min Scan# 3211
Delta R.T. -0.014 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Tgt Ion:278 Resp: 32375

Ion	Ratio	Lower	Upper
278	100		
139	34.6	13.0	19.6#
279	25.5	19.2	28.8





#41
Benzo(g,h,i)perylene
Concen: 0.315 ng
RT: 26.980 min Scan# 34
Delta R.T. -0.021 min
Lab File: BN017491.D
Acq: 17 Nov 2021 10:51

Instrument :
BNA_N
ClientSampleId :
PB140437BS

Tgt Ion:276 Resp: 43385

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.4
138	22.9	17.1	25.7