Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111921\
Data File : BN017522.D
Acq On : 19 Nov 2021 14:06
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Nov 19 14:33:41 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 12:29:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.865	152	32308	0.400	ng		0.00
7) Naphthalene-d8	10.661	136	129455	0.400	ng		0.00
13) Acenaphthene-d10	14.485	164	69477	0.400	ng		0.00
19) Phenanthrene-d10	17.225	188	133853	0.400	ng	#	0.00
29) Chrysene-d12	21.409	240	122578	0.400	ng	#	0.00
35) Perylene-d12	23.776	264	108580	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.440	112	378102	4.917	ng		0.00
5) Phenol-d6	7.026	99	434703	5.253	ng		0.00
8) Nitrobenzene-d5	9.014	82	477937	5.956	ng		0.00
11) 2-Methylnaphthalene-d10	12.244	152	1021040	4.800	ng		0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng		
15) 2-Fluorobiphenyl	13.115	172	1226989	4.683	ng		0.00
27) Fluoranthene-d10	19.258	212	2026365	5.069	ng		0.00
31) Terphenyl-d14	19.858	244	1320260	4.387	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.383	88	73207	5.147	ng		98
3) n-Nitrosodimethylamine	3.706	42	157319	5.811	ng		95
6) bis(2-Chloroethyl)ether	7.293	93	403919	4.556	ng		96
9) Naphthalene	10.699	128	1539345	4.731	ng		100
10) Hexachlorobutadiene	11.003	225	315446	4.639	ng	#	100
12) 2-Methylnaphthalene	12.315	142	981400	4.764	ng		98
16) Acenaphthylene	14.206	152	1490168	5.757	ng		100
17) Acenaphthene	14.549	154	943975	5.027	ng		95
18) Fluorene	15.526	166	1116502	5.174	ng		99
21) 4-Bromophenyl-phenylether	16.422	248	376108	4.961	ng	#	77
22) Hexachlorobenzene	16.544	284	385088	4.494	ng		96
24) Pentachlorophenol	16.885	266	176075	10.280	ng		99
25) Phenanthrene	17.262	178	1779519	4.837	ng		100
26) Anthracene	17.359	178	1686599	5.527	ng		100
28) Fluoranthene	19.287	202	1961451	4.970	ng		99
30) Pyrene	19.650	202	2070365	4.701	ng		100
32) Benzo(a)anthracene	21.398	228	2006172	5.286	ng		99
33) Chrysene	21.451	228	1943982	4.981	ng		99
36) Indeno(1,2,3-cd)pyrene	26.220	276	1763531	7.039	ng		97
37) Benzo(b)fluoranthene	23.061	252	1907370	4.677	ng		99
38) Benzo(k)fluoranthene	23.106	252	1856432	4.951	ng		99
39) Benzo(a)pyrene	23.670	252	1715543	5.423	ng		99
40) Dibenzo(a,h)anthracene	26.241	278	1453227	7.622	ng		98
41) Benzo(g,h,i)perylene	26.967	276	1499481	6.361	ng		98

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

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
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Quant Time: Nov 19 14:33:41 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 12:29:22 2021
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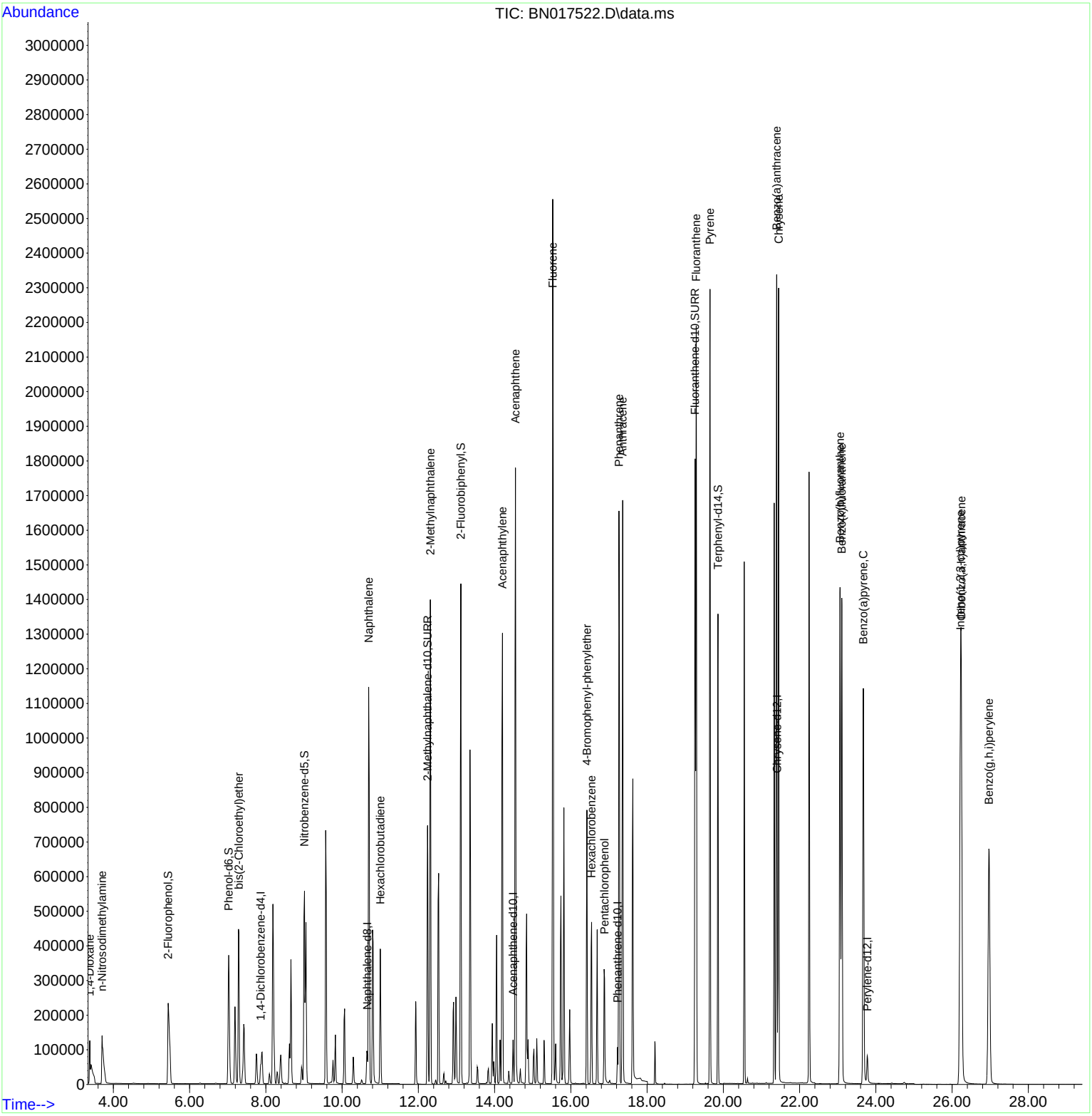
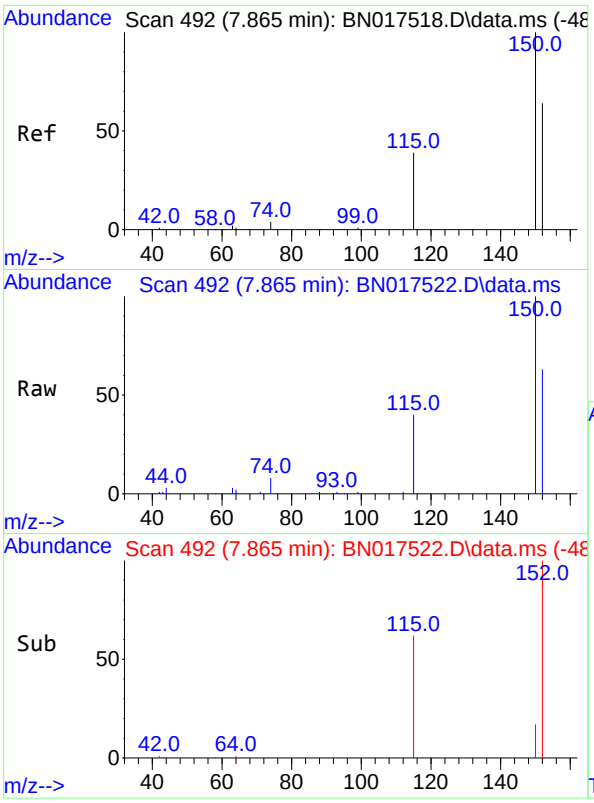


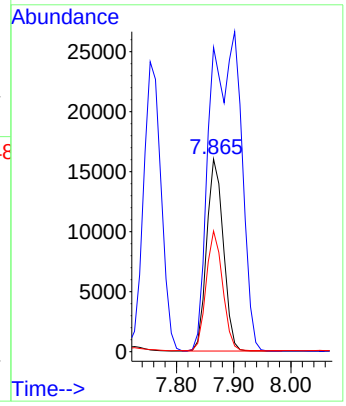


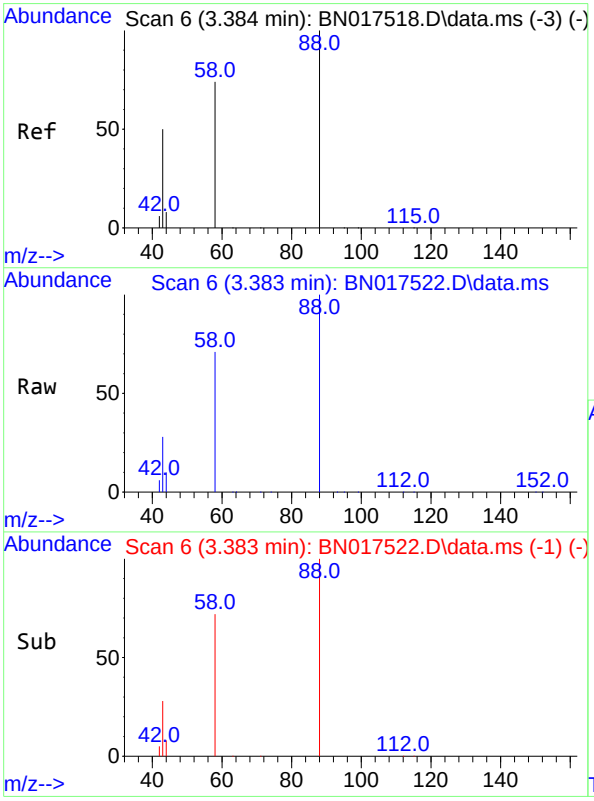
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.865 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 32308

Ion	Ratio	Lower	Upper
152	100		
150	157.9	123.0	184.4
115	62.6	45.6	68.4

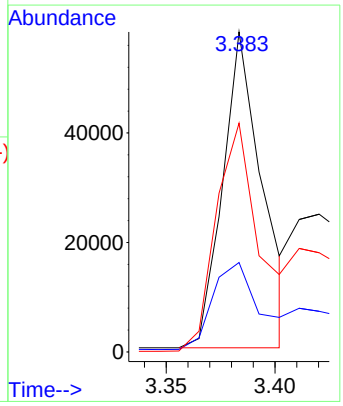


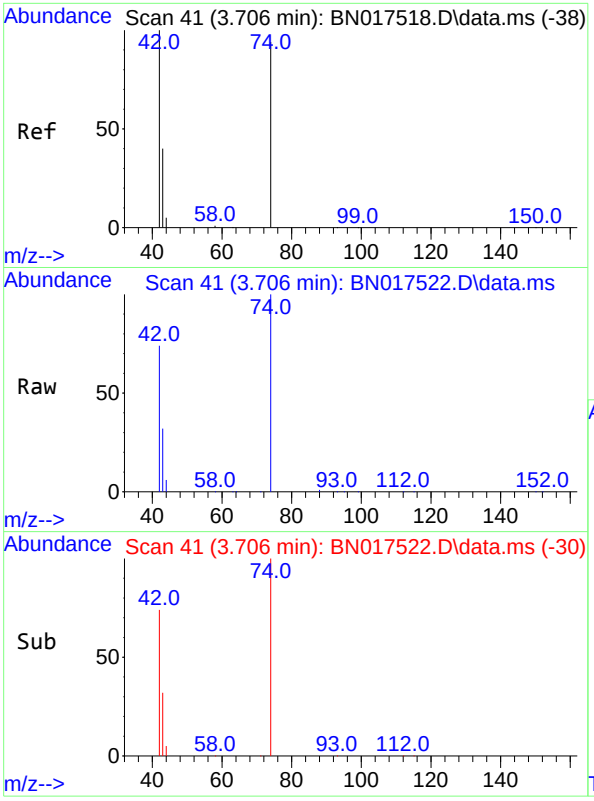


#2
1,4-Dioxane
Concen: 5.147 ng
RT: 3.383 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion: 88 Resp: 73207

Ion	Ratio	Lower	Upper
88	100		
43	32.8	24.7	37.1
58	79.6	63.0	94.6



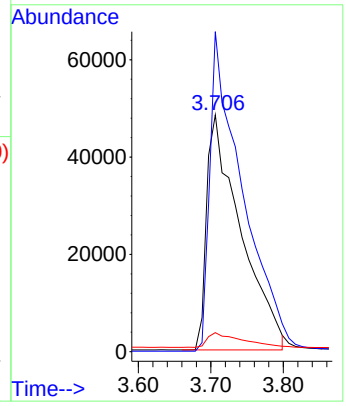


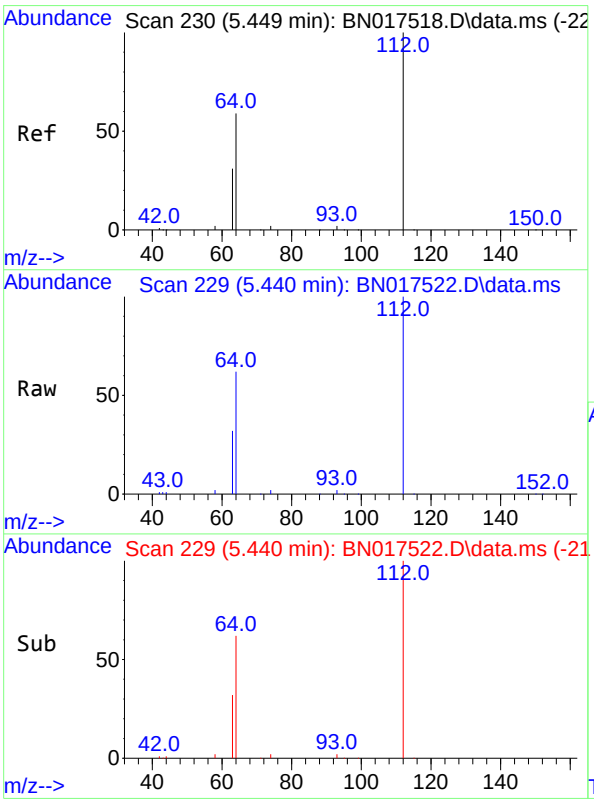
#3
n-Nitrosodimethylamine
Concen: 5.811 ng
RT: 3.706 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 157319

Ion	Ratio	Lower	Upper
42	100		
74	128.6	97.8	146.6
44	6.3	5.5	8.3

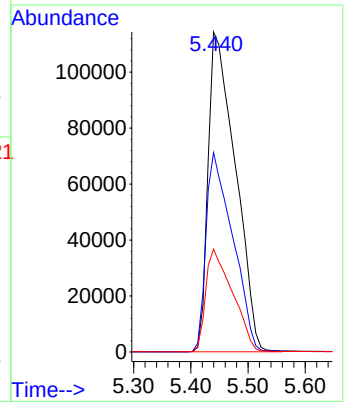


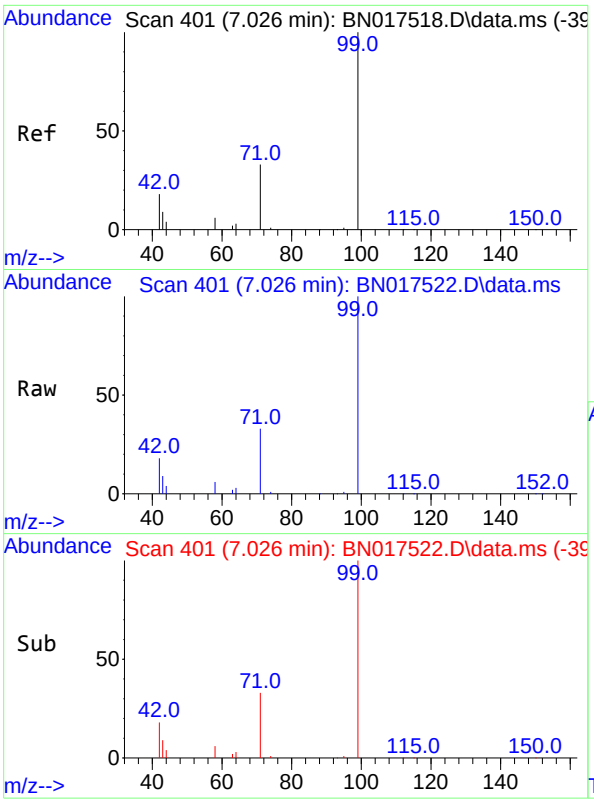


#4
2-Fluorophenol
Concen: 4.917 ng
RT: 5.440 min Scan# 229
Delta R.T. -0.009 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:112 Resp: 378102

Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.6	71.4
63	31.6	24.6	37.0



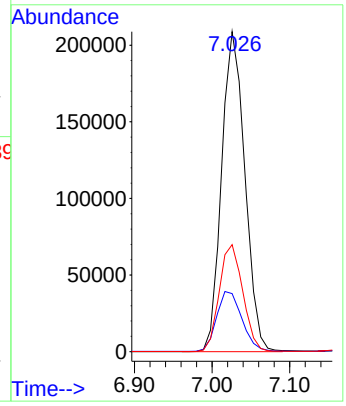


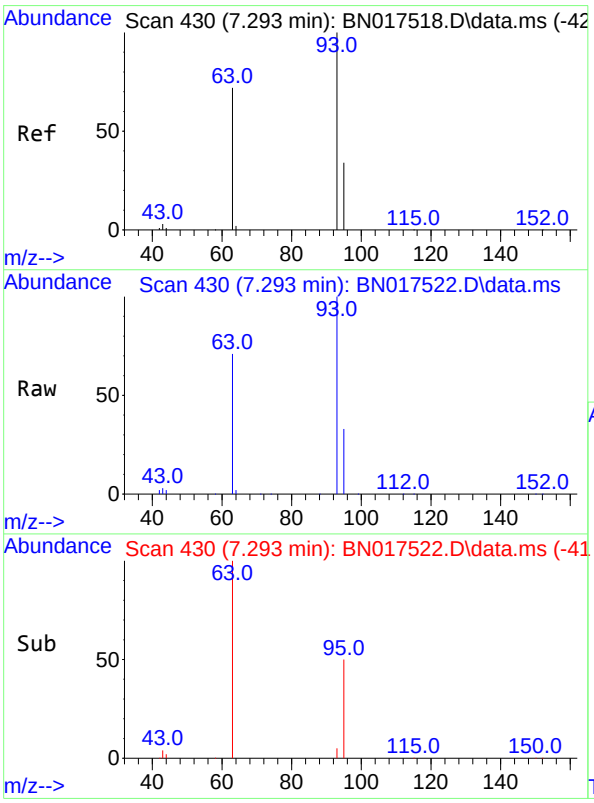
#5
Phenol-d6
Concen: 5.253 ng
RT: 7.026 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 434703

Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.0	25.6
71	33.9	24.8	37.2

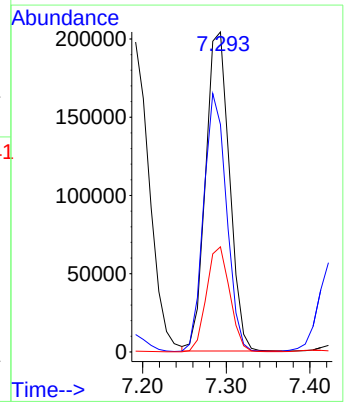


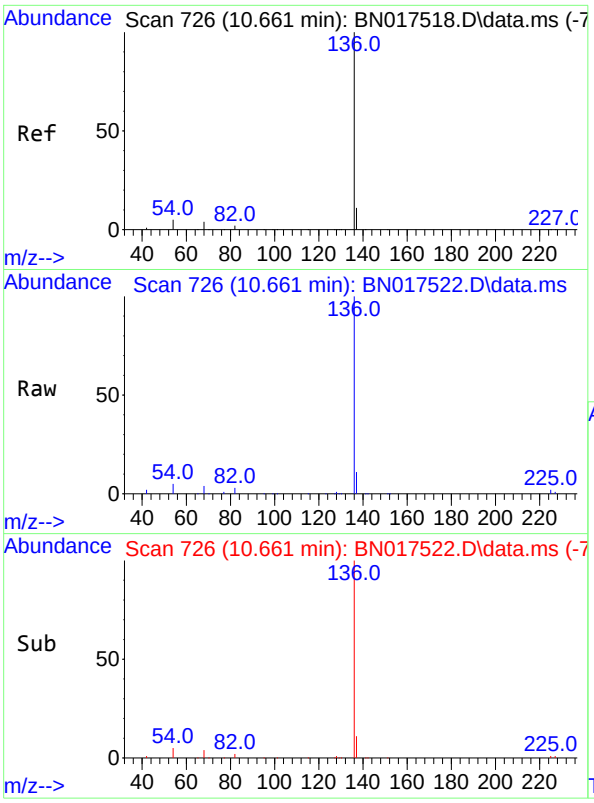


#6
bis(2-Chloroethyl)ether
Concen: 4.556 ng
RT: 7.293 min Scan# 430
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion: 93 Resp: 403919

Ion	Ratio	Lower	Upper
93	100		
63	77.6	65.8	98.6
95	32.3	26.6	39.8



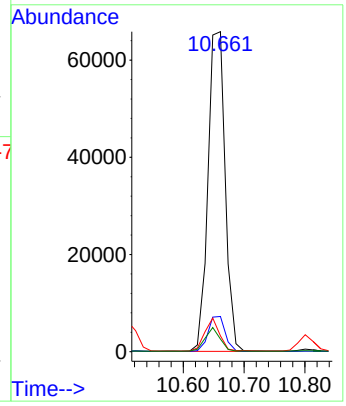


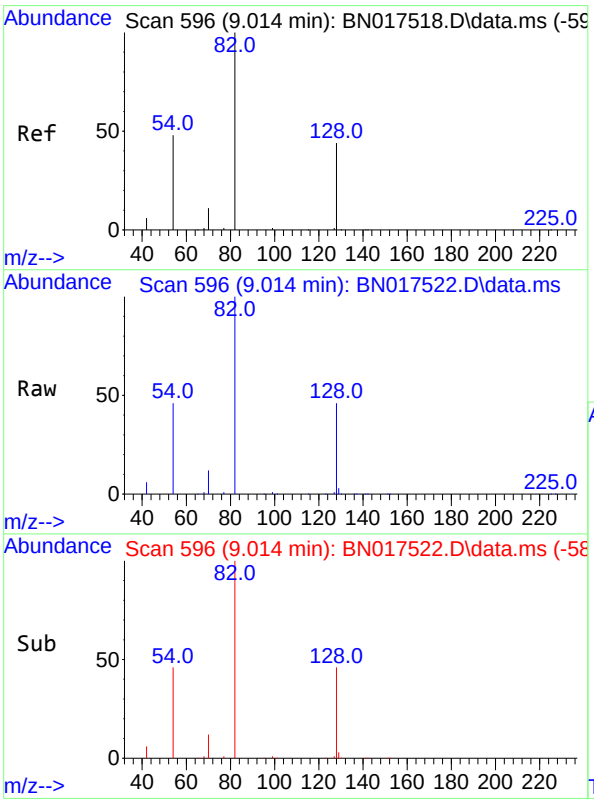
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.661 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 129455

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	4.9	4.0	6.0
68	4.0	3.0	4.6

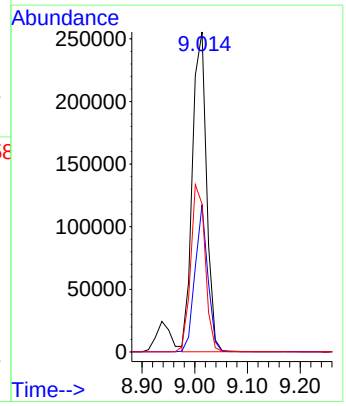


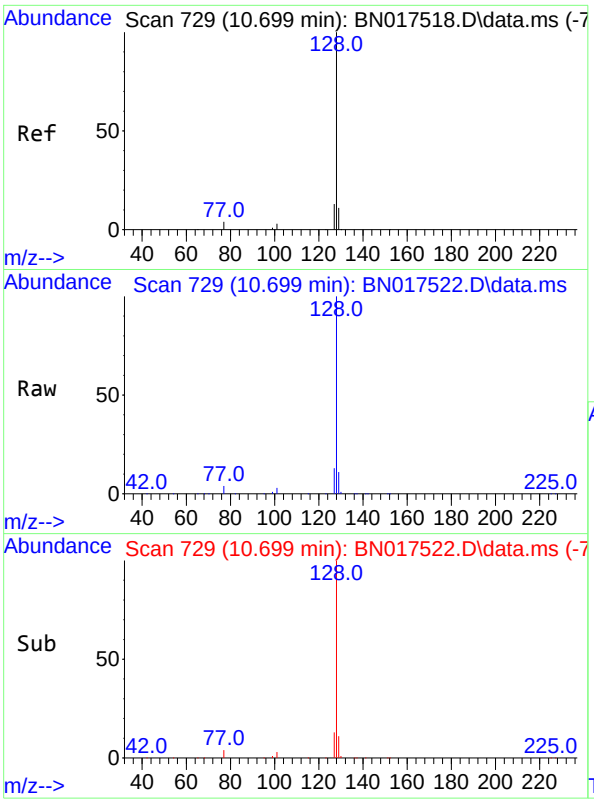


#8
Nitrobenzene-d5
Concen: 5.956 ng
RT: 9.014 min Scan# 596
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion: 82 Resp: 477937

Ion	Ratio	Lower	Upper
82	100		
128	46.1	27.7	41.5#
54	46.3	49.2	73.8#



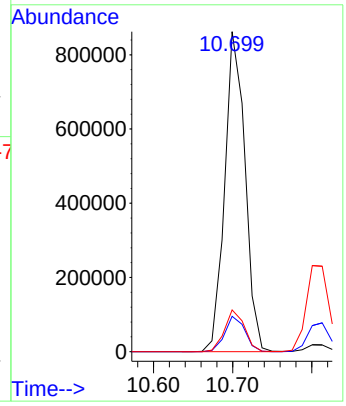


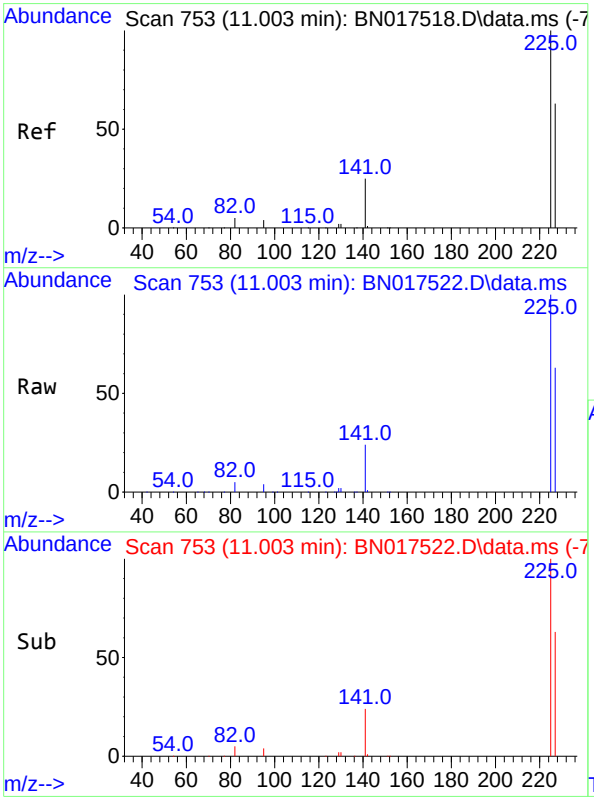
#9
Naphthalene
Concen: 4.731 ng
RT: 10.699 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 1539345

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.1	10.6	15.8

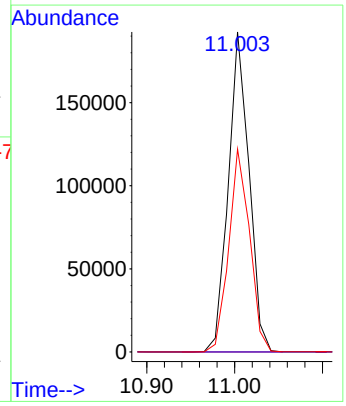


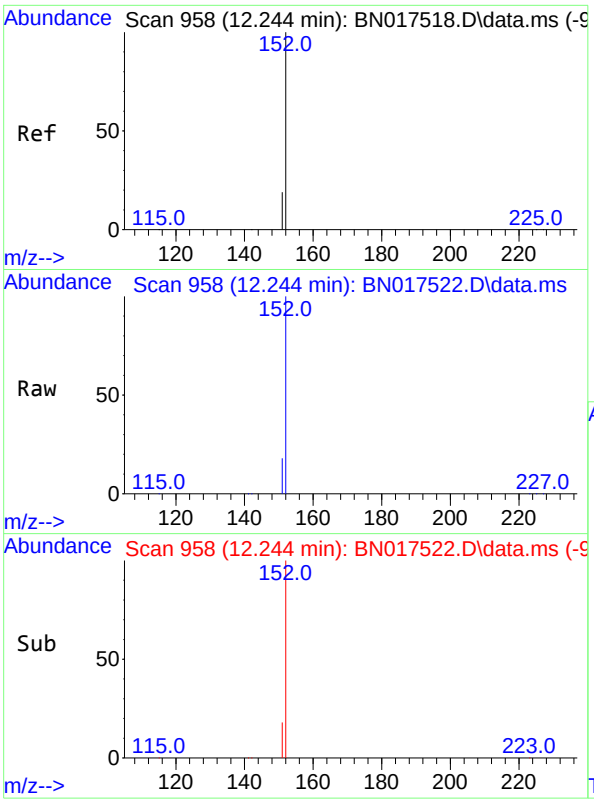


#10
Hexachlorobutadiene
Concen: 4.639 ng
RT: 11.003 min Scan# 753
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:225 Resp: 315446

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.1	76.7



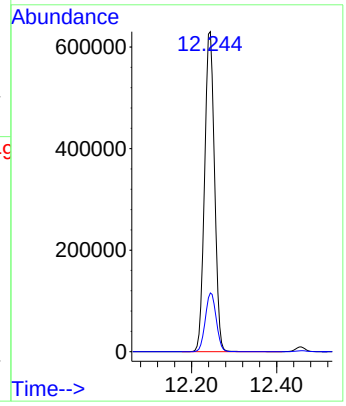


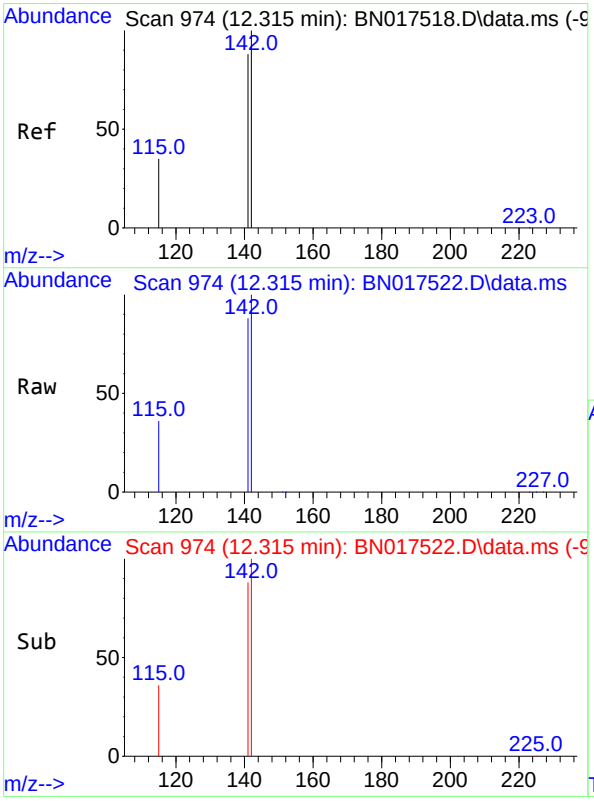
#11
2-Methylnaphthalene-d10
Concen: 4.800 ng
RT: 12.244 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 1021040

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4

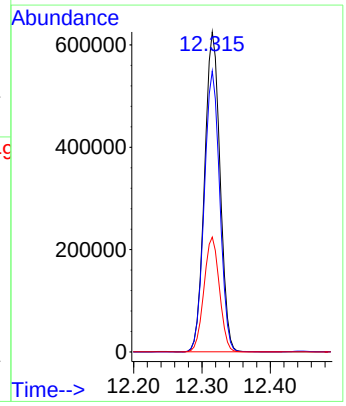


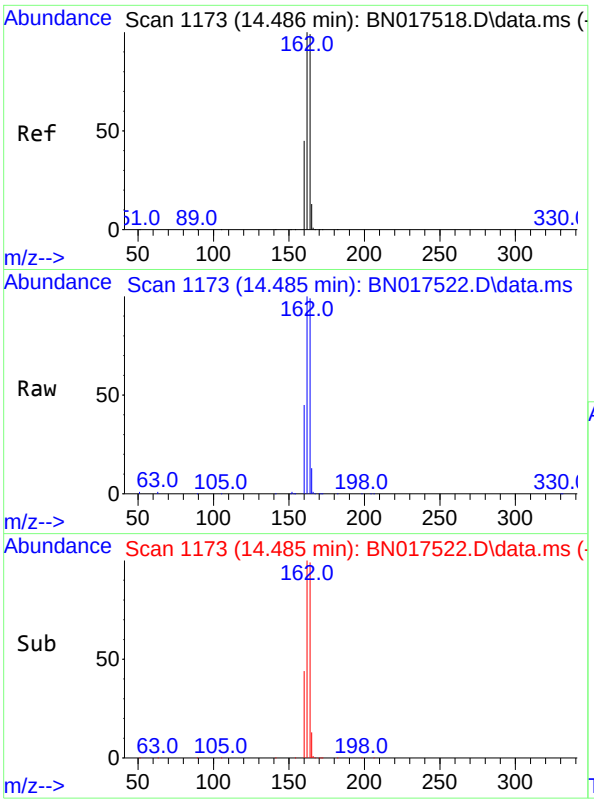


#12
2-Methylnaphthalene
Concen: 4.764 ng
RT: 12.315 min Scan# 974
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:142 Resp: 981400

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.6	106.0
115	35.9	25.8	38.6



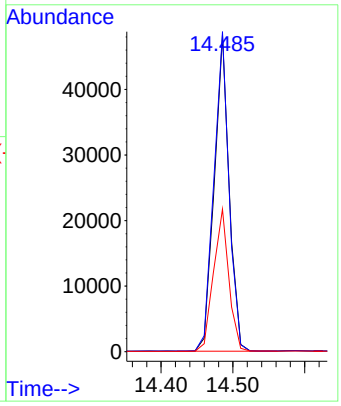


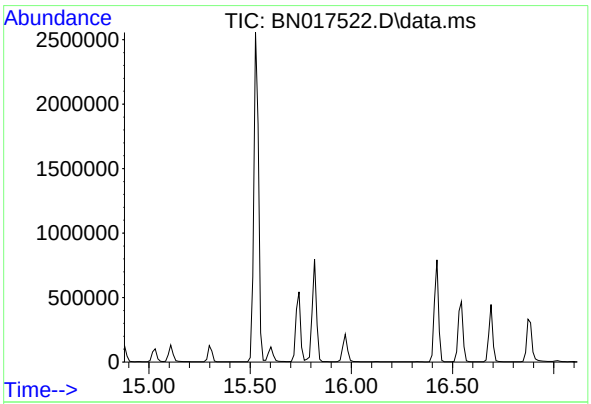
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.485 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 69477

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.4	122.2
160	45.0	36.8	55.2



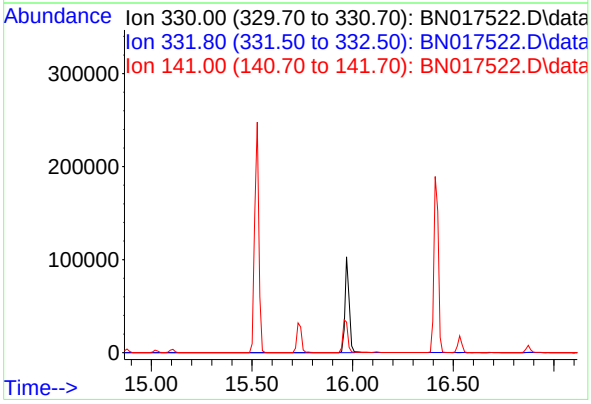


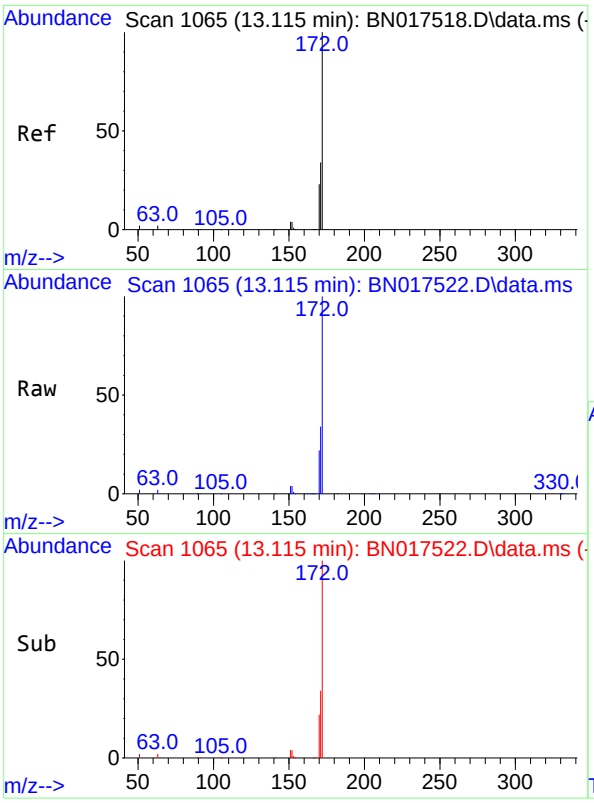
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	0.0
141	36.1



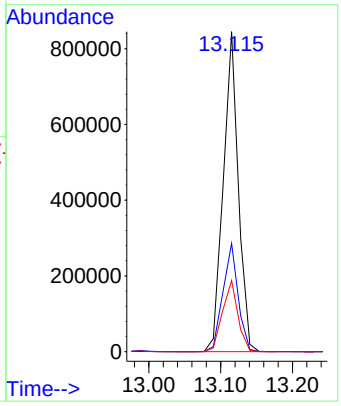


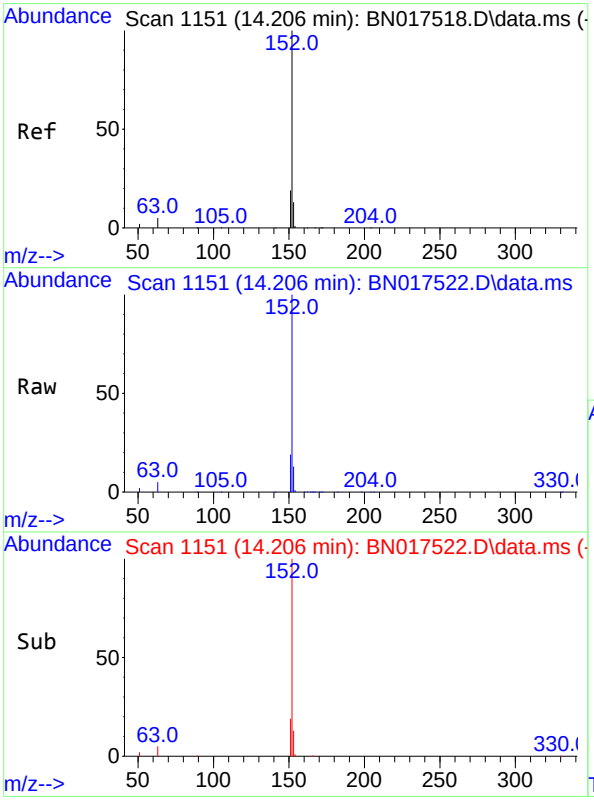
#15
2-Fluorobiphenyl
Concen: 4.683 ng
RT: 13.115 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 1226989

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

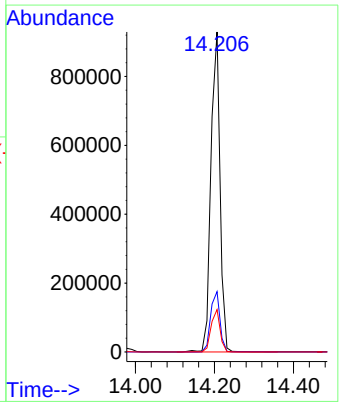


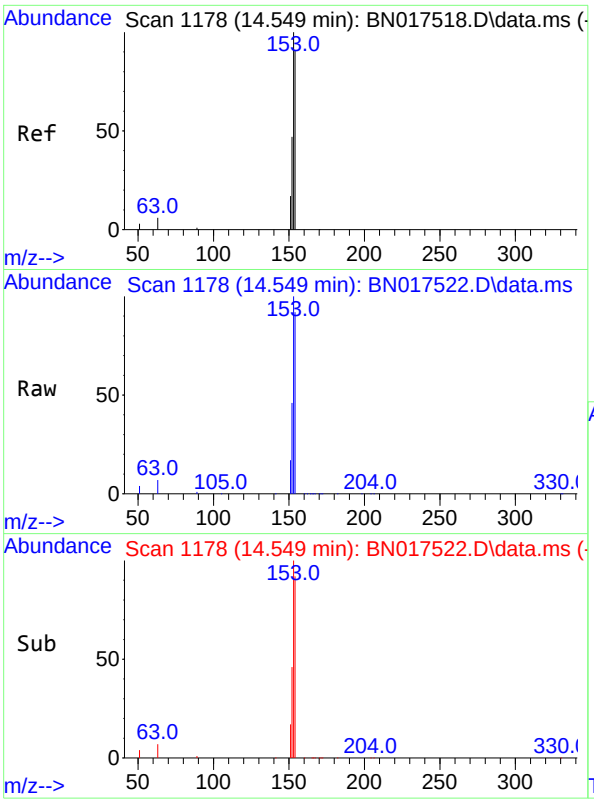


#16
Acenaphthylene
Concen: 5.757 ng
RT: 14.206 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:152 Resp: 1490168

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



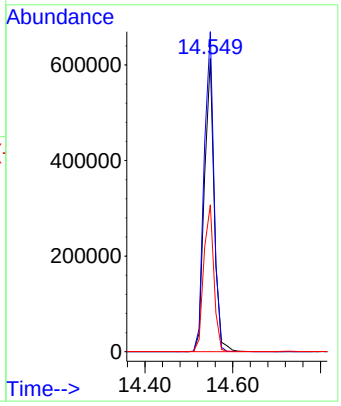


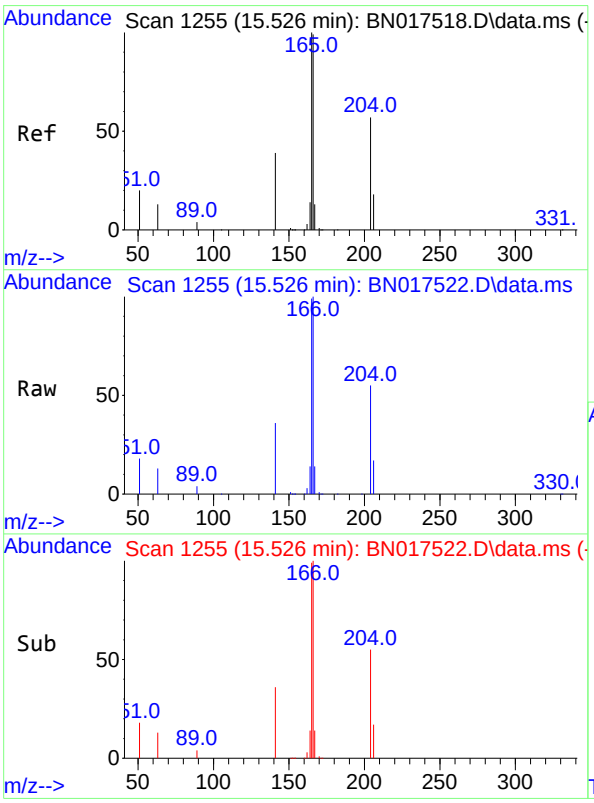
#17
Acenaphthene
Concen: 5.027 ng
RT: 14.549 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 943975

Ion	Ratio	Lower	Upper
154	100		
153	109.0	91.2	136.8
152	51.6	44.3	66.5

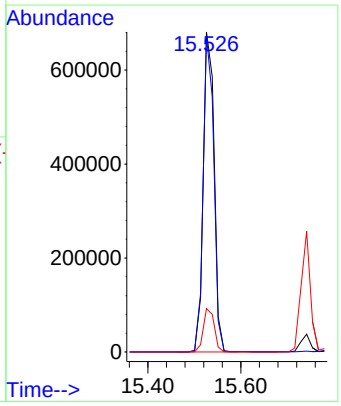


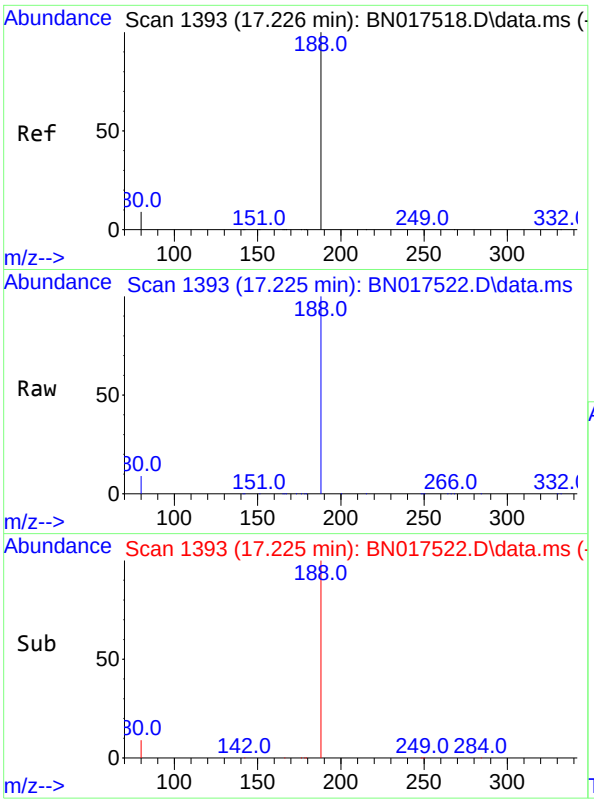


#18
Fluorene
Concen: 5.174 ng
RT: 15.526 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:166 Resp: 1116502

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.9	116.9
167	13.6	10.9	16.3



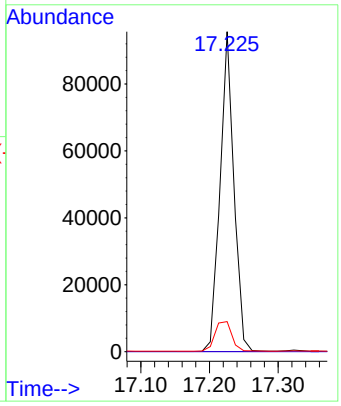


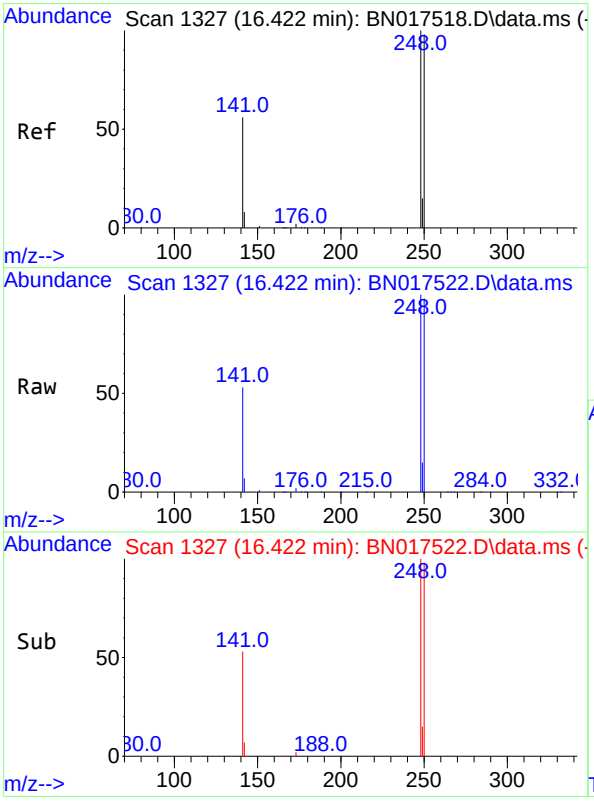
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.225 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 133853

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	6.1	9.1#

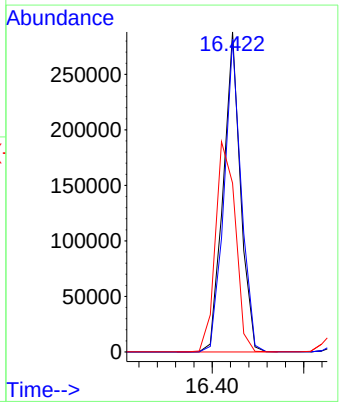


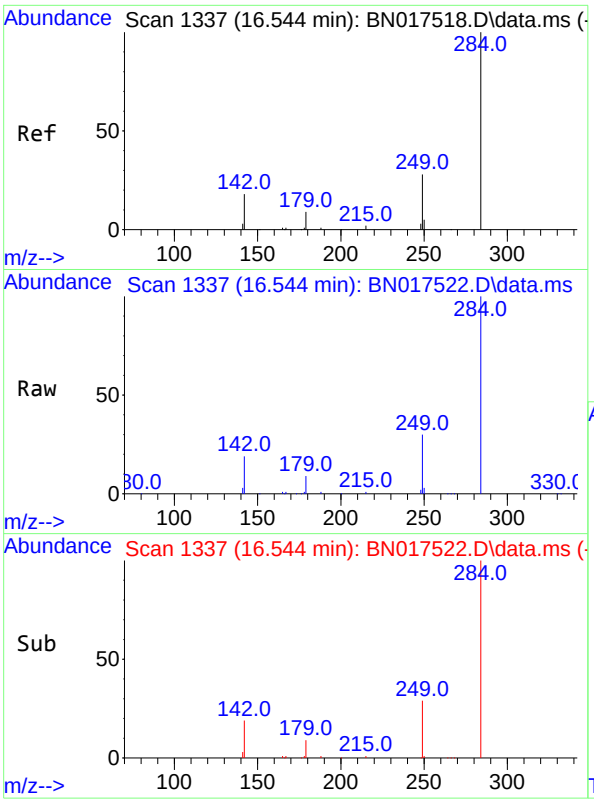


#21
4-Bromophenyl-phenylether
Concen: 4.961 ng
RT: 16.422 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:248 Resp: 376108

Ion	Ratio	Lower	Upper
248	100		
250	97.7	71.8	107.8
141	52.7	70.9	106.3#



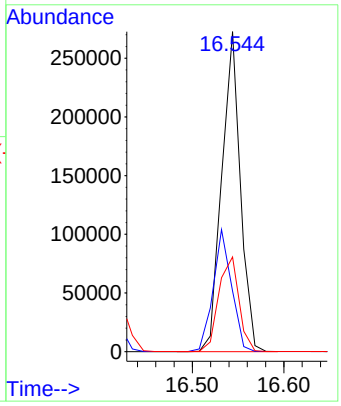


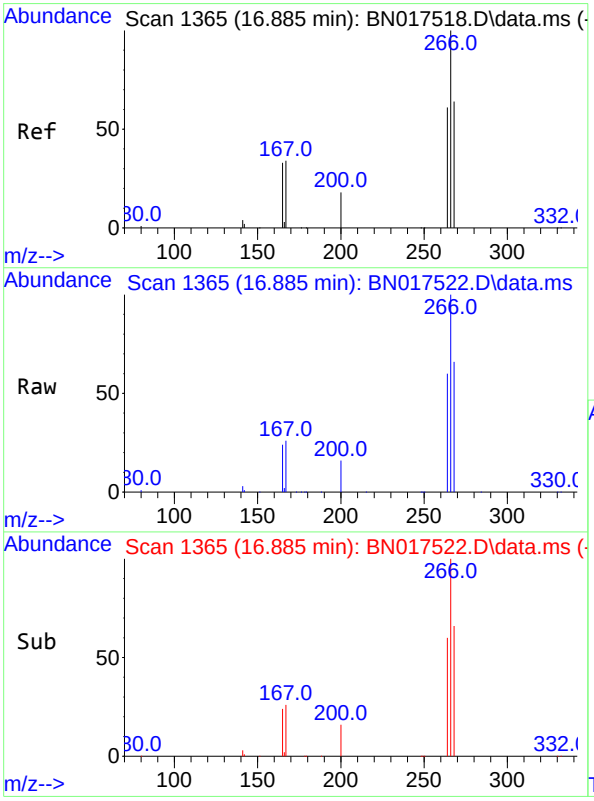
#22
Hexachlorobenzene
Concen: 4.494 ng
RT: 16.544 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 385088

Ion	Ratio	Lower	Upper
284	100		
142	37.8	28.2	42.2
249	32.3	24.4	36.6

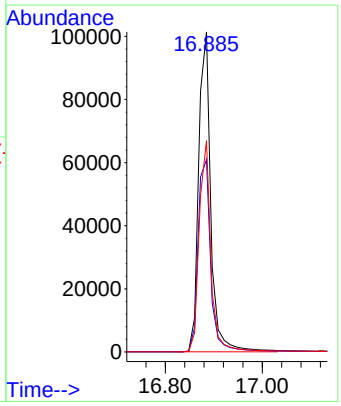


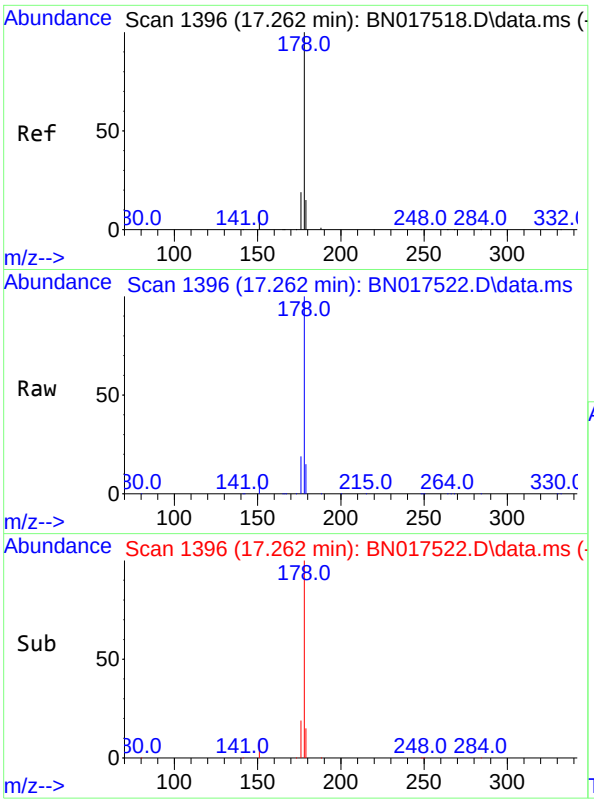


#24
Pentachlorophenol
Concen: 10.280 ng
RT: 16.885 min Scan# 1365
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:266 Resp: 176075

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.8	74.8
268	63.7	51.3	76.9



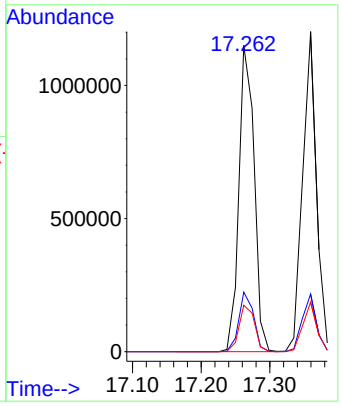


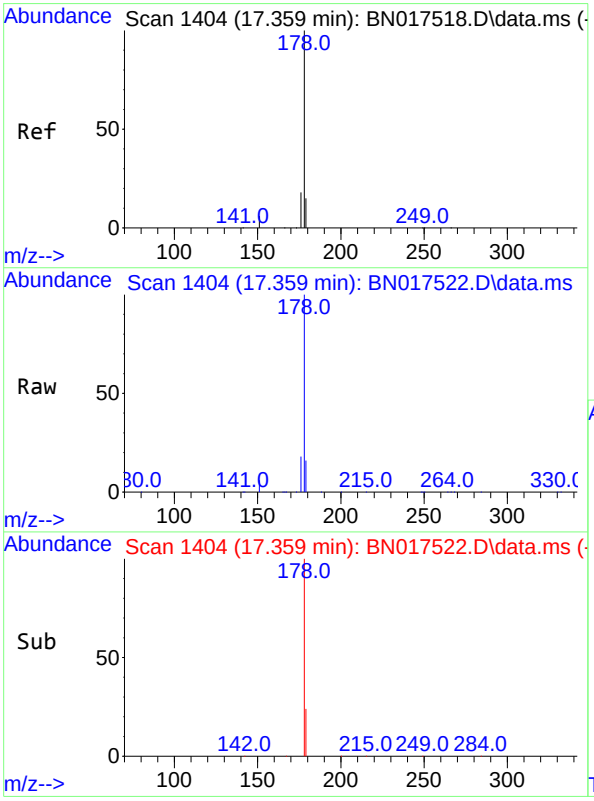
#25
Phenanthrene
Concen: 4.837 ng
RT: 17.262 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 1779519

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

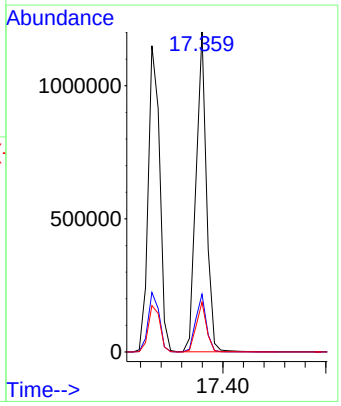


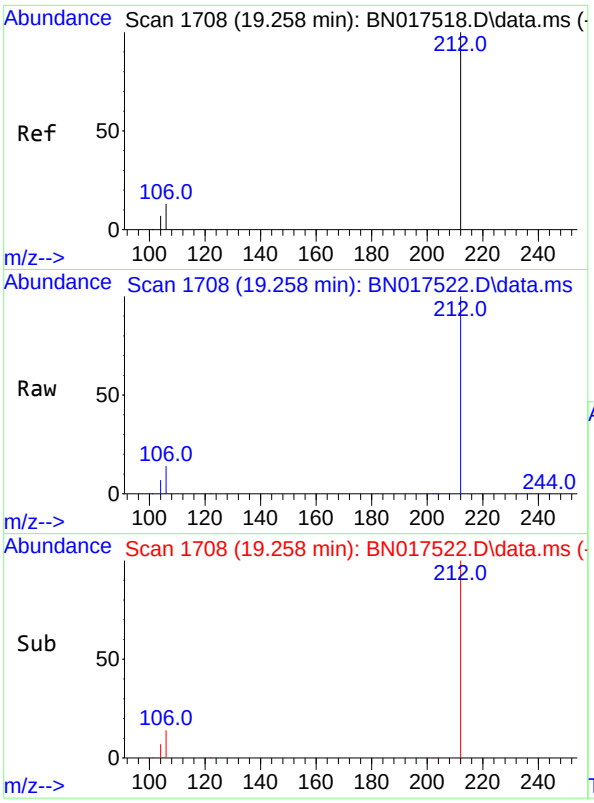


#26
Anthracene
Concen: 5.527 ng
RT: 17.359 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:178 Resp: 1686599

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.4	12.2	18.4



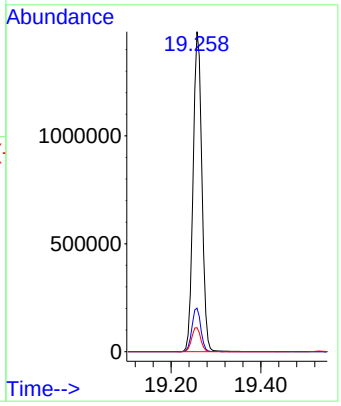


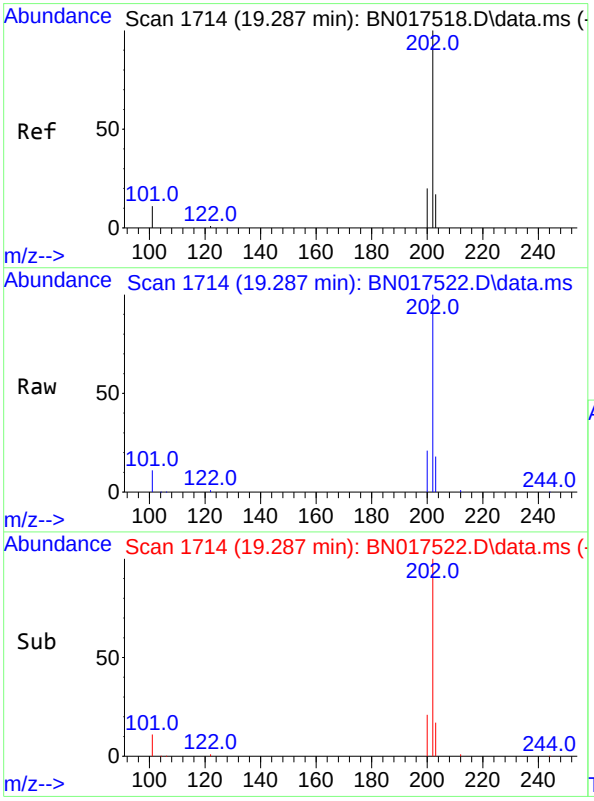
#27
Fluoranthene-d10
Concen: 5.069 ng
RT: 19.258 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 2026365

Ion	Ratio	Lower	Upper
212	100		
106	13.7	10.5	15.7
104	7.6	5.8	8.6

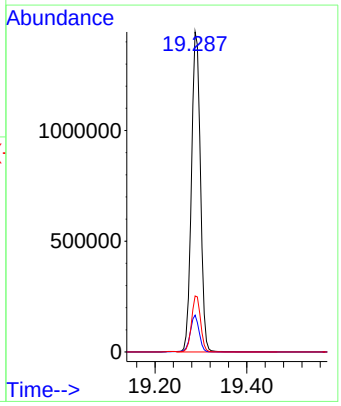


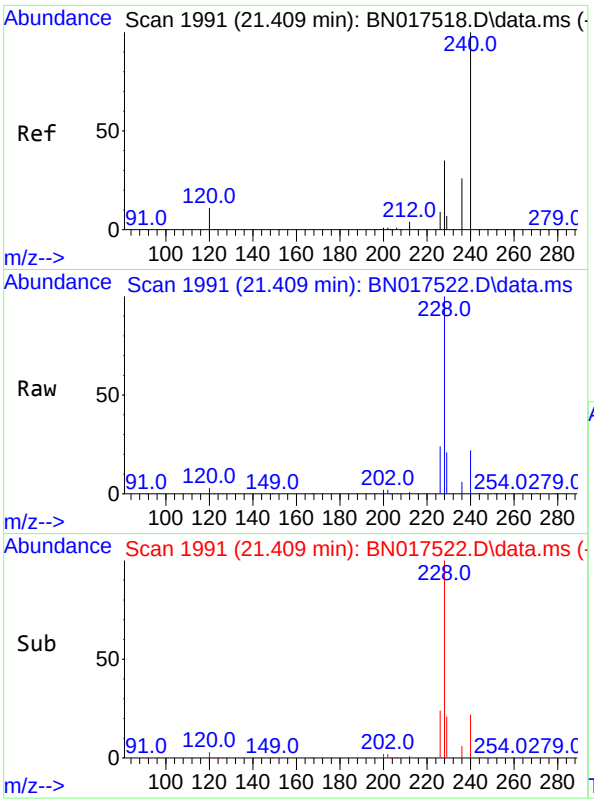


#28
Fluoranthene
Concen: 4.970 ng
RT: 19.287 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:202 Resp: 1961451

Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.9	13.3
203	17.6	13.8	20.6



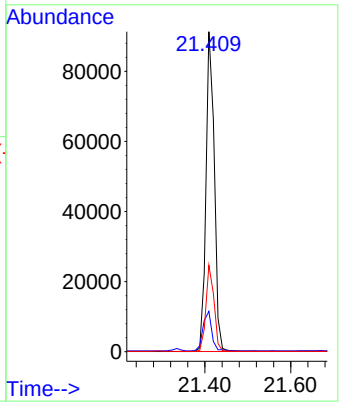


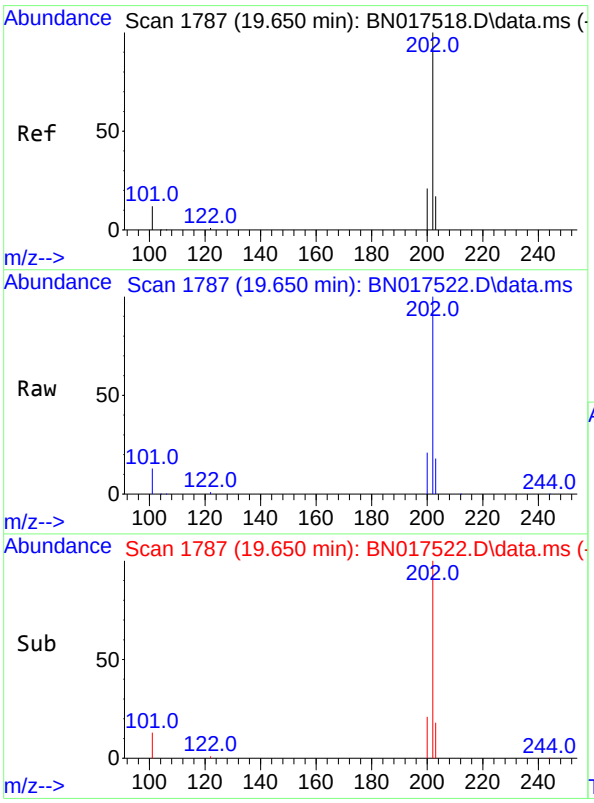
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.409 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 122578

Ion	Ratio	Lower	Upper
240	100		
120	12.6	4.2	6.2#
236	27.0	20.0	30.0

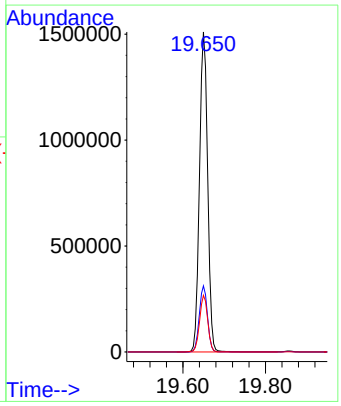


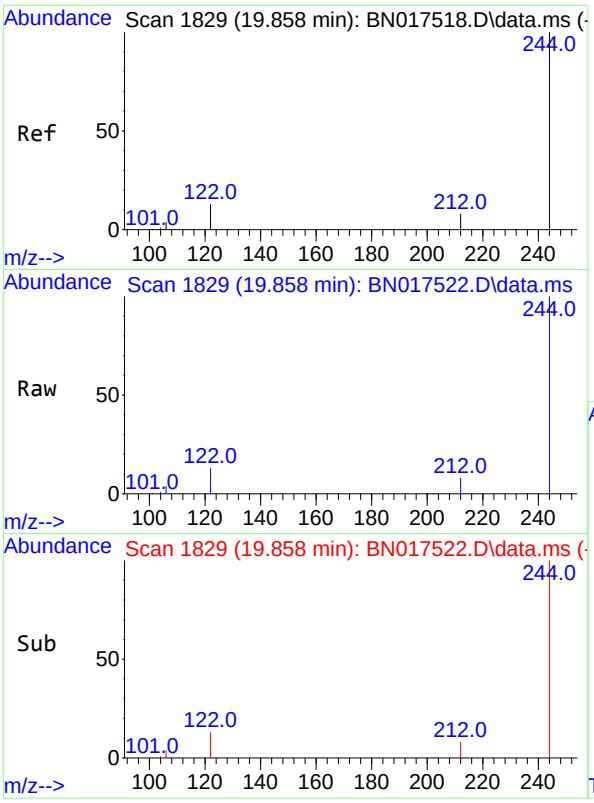


#30
Pyrene
Concen: 4.701 ng
RT: 19.650 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:202 Resp: 2070365

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.7	14.0	21.0



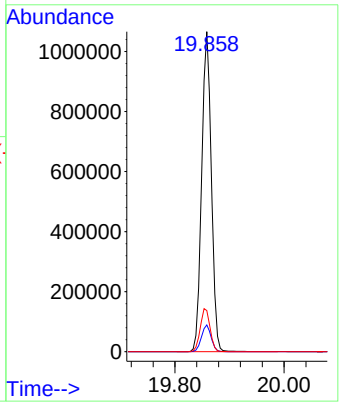


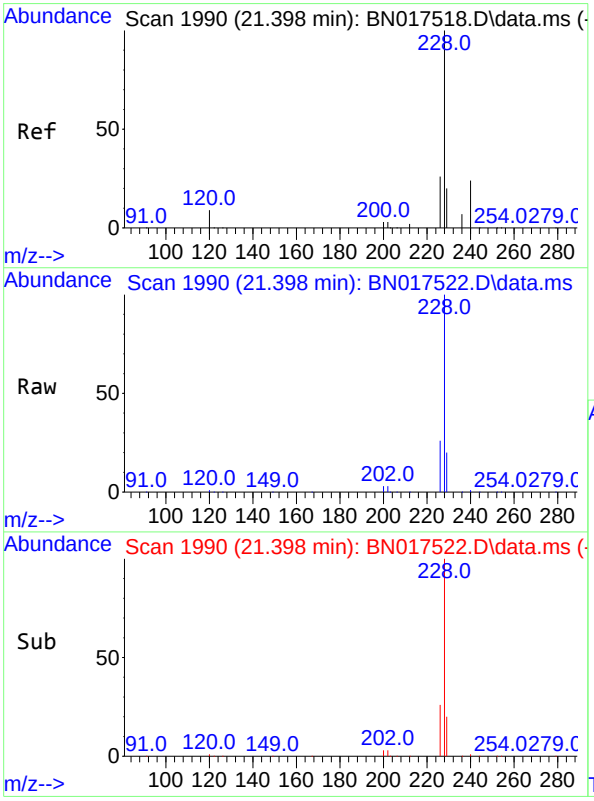
#31
Terphenyl-d14
Concen: 4.387 ng
RT: 19.858 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 1320260

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.7	8.5
122	12.8	8.6	13.0

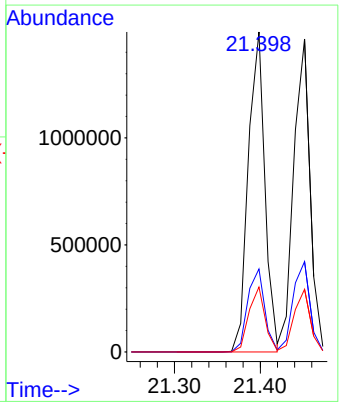


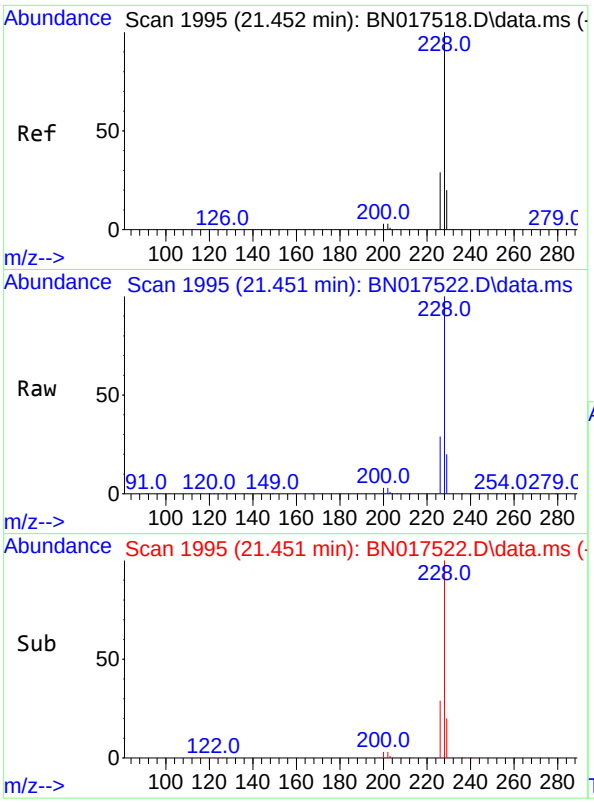


#32
Benzo(a)anthracene
Concen: 5.286 ng
RT: 21.398 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:228 Resp: 2006172

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.3	31.9
229	20.3	15.7	23.5



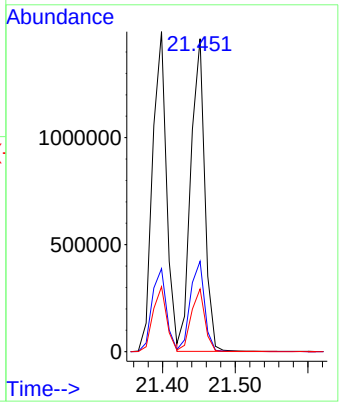


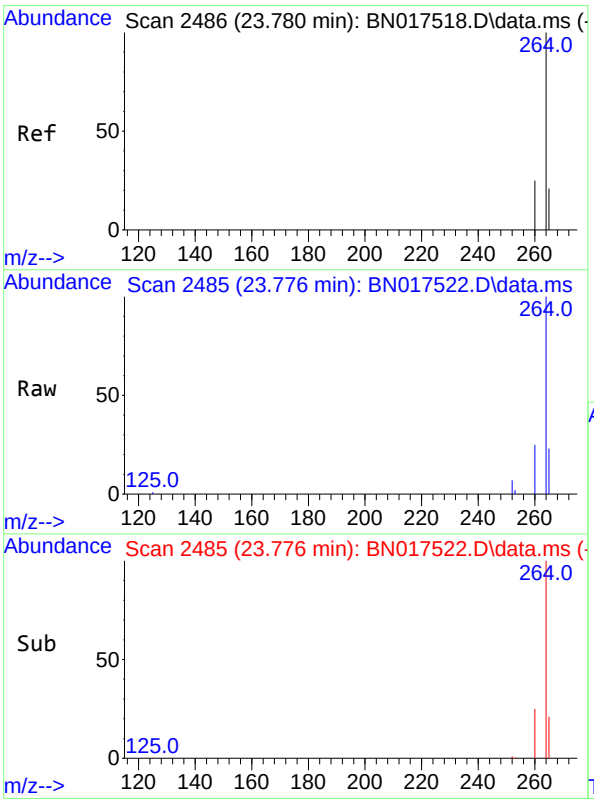
#33
Chrysene
Concen: 4.981 ng
RT: 21.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 1943982

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.3	34.9
229	20.0	15.6	23.4

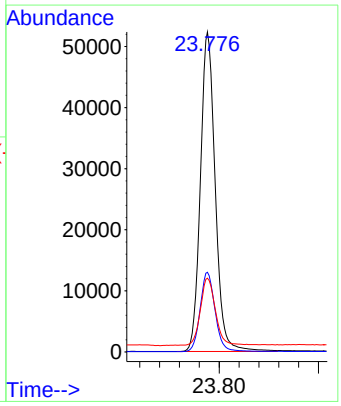


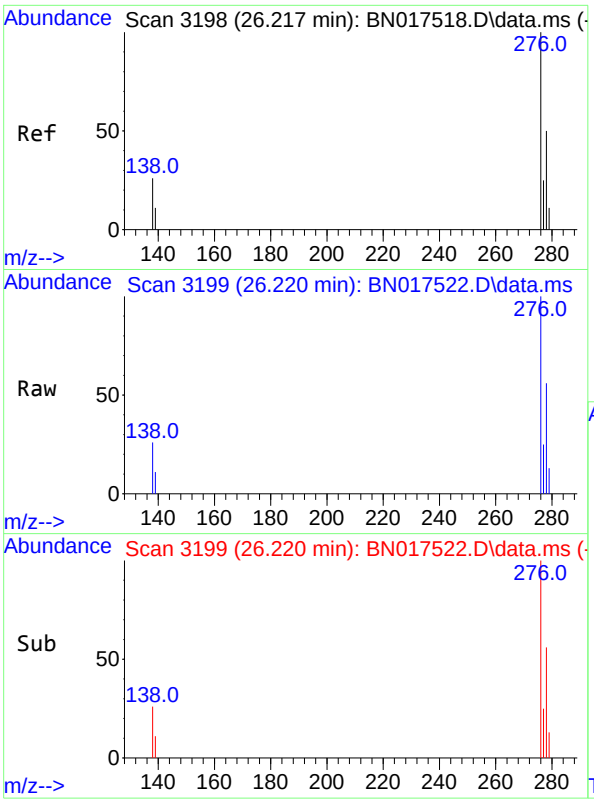


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.776 min Scan# 2485
Delta R.T. -0.003 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:264 Resp: 108580

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



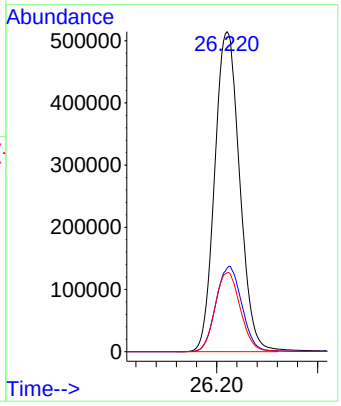


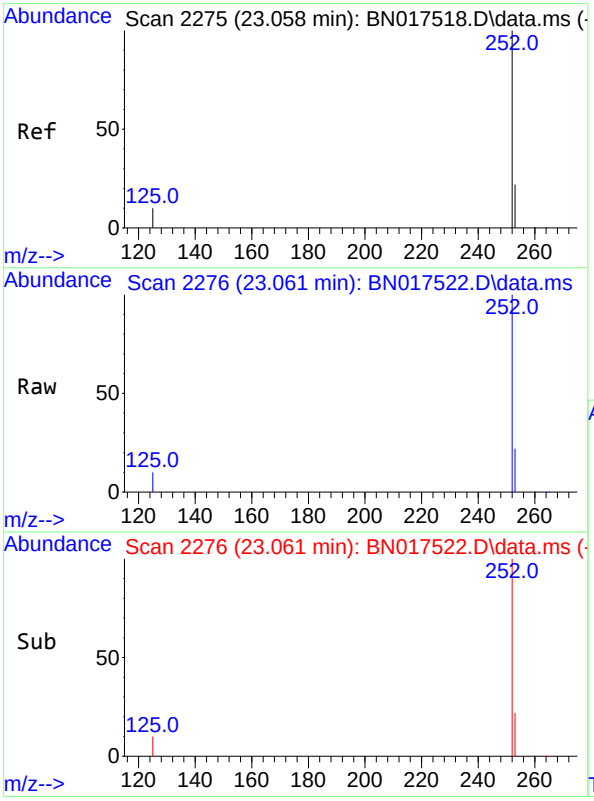
#36
Indeno(1,2,3-cd)pyrene
Concen: 7.039 ng
RT: 26.220 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 1763531

Ion	Ratio	Lower	Upper
276	100		
138	27.6	19.7	29.5
277	25.0	20.0	30.0

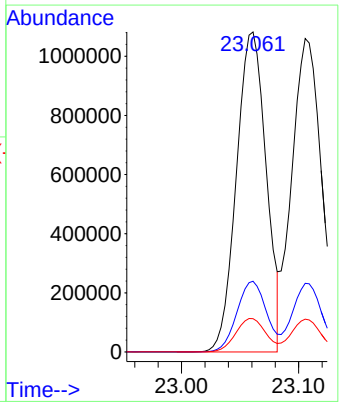


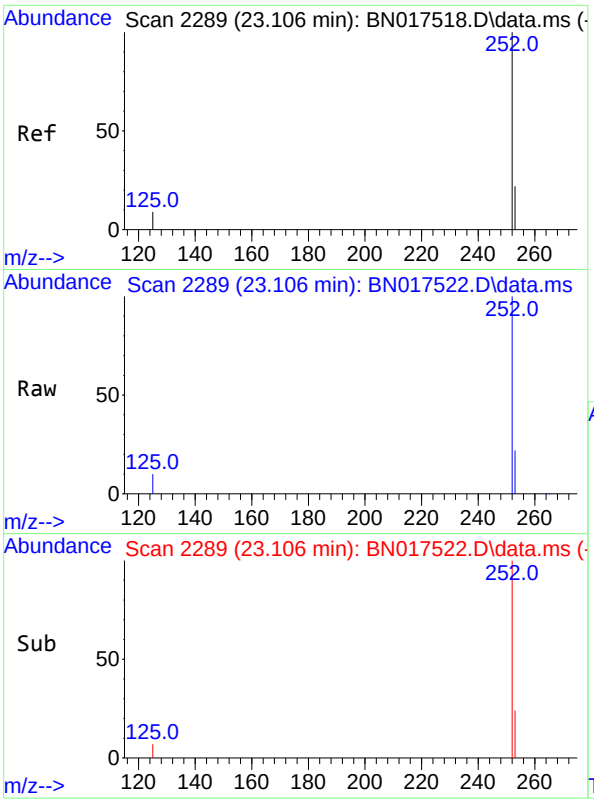


#37
Benzo(b)fluoranthene
Concen: 4.677 ng
RT: 23.061 min Scan# 2276
Delta R.T. 0.003 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:252 Resp: 1907370

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.4	7.8	11.8



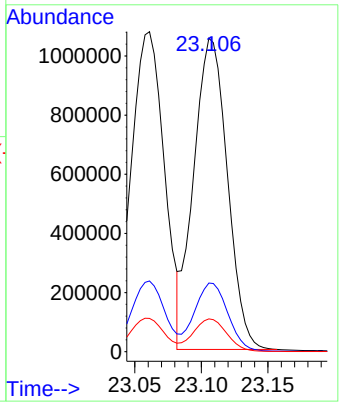


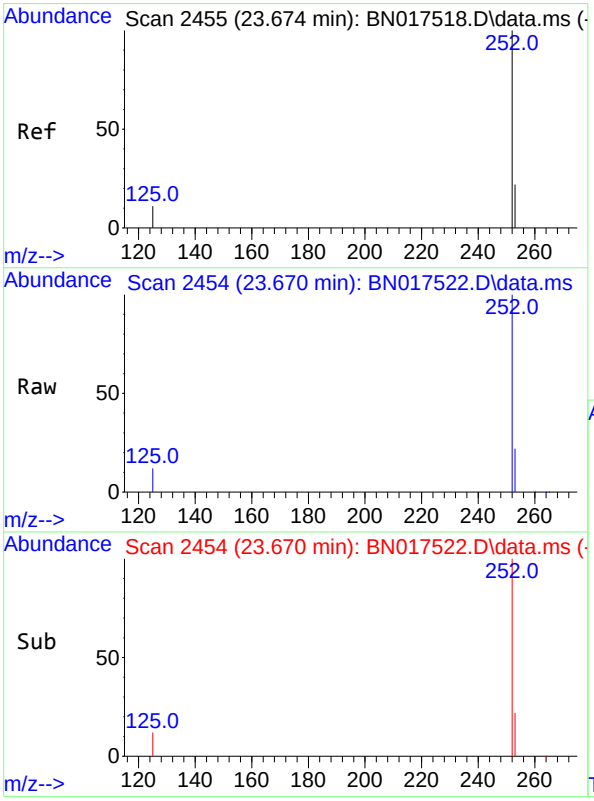
#38
Benzo(k)fluoranthene
Concen: 4.951 ng
RT: 23.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 1856432

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.4	8.2	12.2

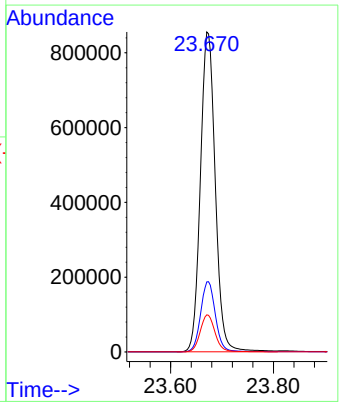


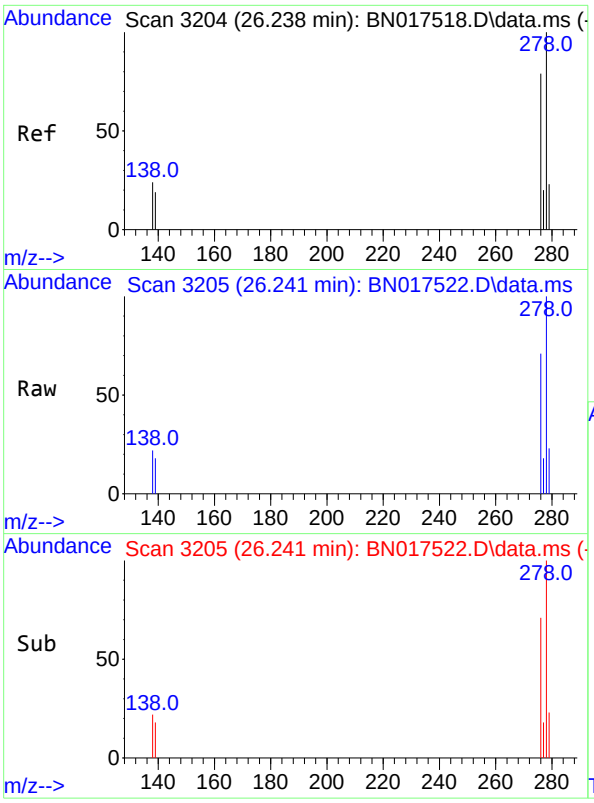


#39
Benzo(a)pyrene
Concen: 5.423 ng
RT: 23.670 min Scan# 2454
Delta R.T. -0.003 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:252 Resp: 1715543

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	11.6	9.2	13.8



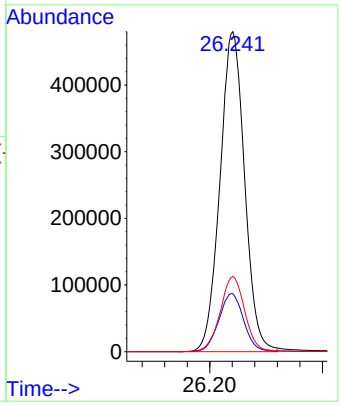


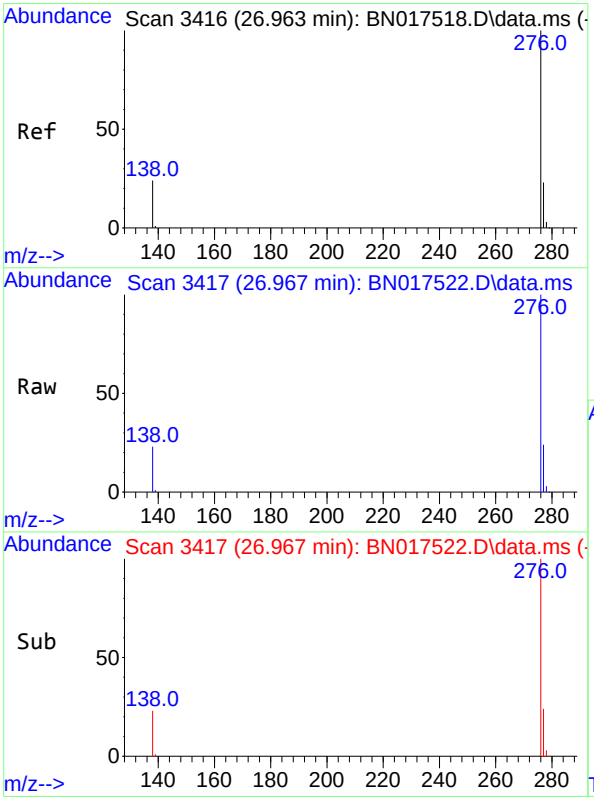
#40
Dibenzo(a,h)anthracene
Concen: 7.622 ng
RT: 26.241 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 1453227

Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.0	19.6
279	23.5	19.2	28.8





#41
Benzo(g,h,i)perylene
Concen: 6.361 ng
RT: 26.967 min Scan# 3417
Delta R.T. 0.003 min
Lab File: BN017522.D
Acq: 19 Nov 2021 14:06

Tgt Ion:276 Resp: 1499481

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	23.4	17.1	25.7