Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012722\
Data File : BN018490.D
Acq On : 27 Jan 2022 15:03
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Jan 28 02:38:34 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 28 02:35:57 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	30377	0.400	ng	0.00
7) Naphthalene-d8	10.736	136	117894	0.400	ng	# 0.00
13) Acenaphthene-d10	14.561	164	65874	0.400	ng	0.00
19) Phenanthrene-d10	17.297	188	124631	0.400	ng	0.00
29) Chrysene-d12	21.472	240	114395	0.400	ng	# 0.00
35) Perylene-d12	23.875	264	111969	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.485	112	374588	4.971	ng	0.00
5) Phenol-d6	7.089	99	422782	5.162	ng	0.00
8) Nitrobenzene-d5	9.089	82	464168	6.824	ng	0.00
11) 2-Methylnaphthalene-d10	12.323	152	925487	4.679	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	13.190	172	1247234	5.278	ng	0.00
27) Fluoranthene-d10	19.326	212	1832761	4.876	ng	0.00
31) Terphenyl-d14	19.917	244	1454524	4.091	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.373	88	101701	6.408	ng	# 58
3) n-Nitrosodimethylamine	3.696	42	152457	6.095	ng	98
6) bis(2-Chloroethyl)ether	7.357	93	397993	4.811	ng	99
9) Naphthalene	10.787	128	1483012	5.169	ng	100
10) Hexachlorobutadiene	11.091	225	307151	5.414	ng	# 100
12) 2-Methylnaphthalene	12.398	142	968551	4.844	ng	98
16) Acenaphthylene	14.281	152	1508765	6.182	ng	99
17) Acenaphthene	14.624	154	929453	5.345	ng	94
18) Fluorene	15.601	166	1115011	5.331	ng	99
21) 4-Bromophenyl-phenylether	16.494	248	401836	6.007	ng	# 83
22) Hexachlorobenzene	16.616	284	414851	5.608	ng	# 94
24) Pentachlorophenol	16.945	266	195908	8.251	ng	99
25) Phenanthrene	17.334	178	1789132	5.408	ng	100
26) Anthracene	17.431	178	1664970	5.951	ng	99
28) Fluoranthene	19.356	202	1901714	5.261	ng	# 97
30) Pyrene	19.713	202	2028031	4.154	ng	99
32) Benzo(a)anthracene	21.450	228	2008445	5.544	ng	99
33) Chrysene	21.504	228	1892686	5.282	ng	100
36) Indeno(1,2,3-cd)pyrene	26.370	276	2146068	10.781	ng	# 94
37) Benzo(b)fluoranthene	23.146	252	1945246	4.823	ng	# 98
38) Benzo(k)fluoranthene	23.194	252	1870445	5.271	ng	# 98
39) Benzo(a)pyrene	23.769	252	1636896	5.545	ng	# 98
40) Dibenzo(a,h)anthracene	26.391	278	1704094	12.979	ng	# 97
41) Benzo(g,h,i)perylene	27.137	276	1848636	9.128	ng	# 95

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

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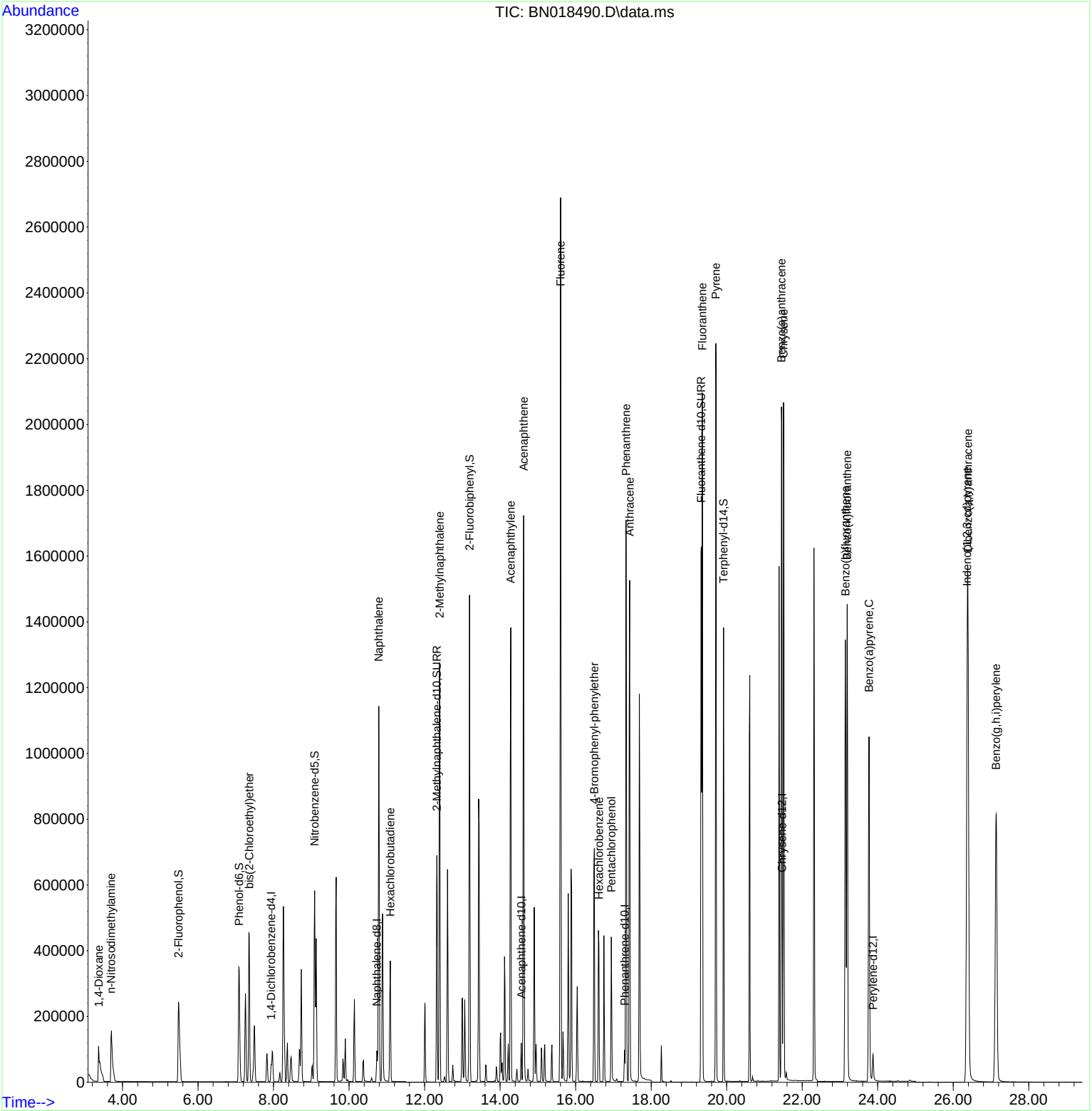
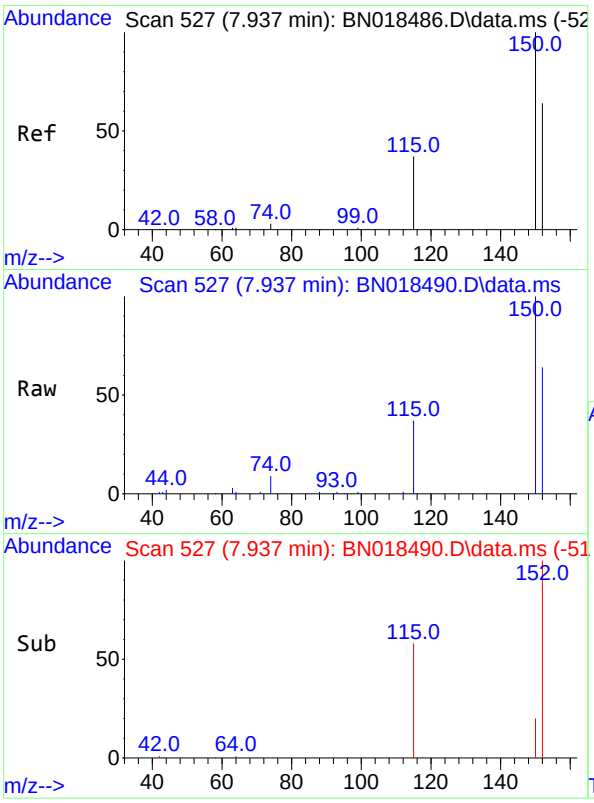
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Jan 28 02:38:34 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN012722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 28 02:35:57 2022
Response via : Initial Calibration



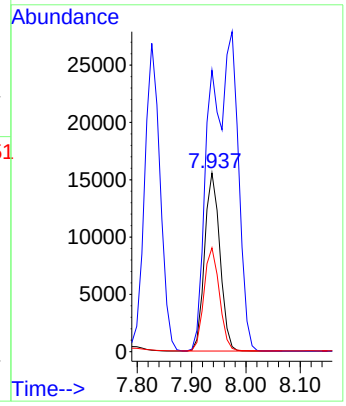


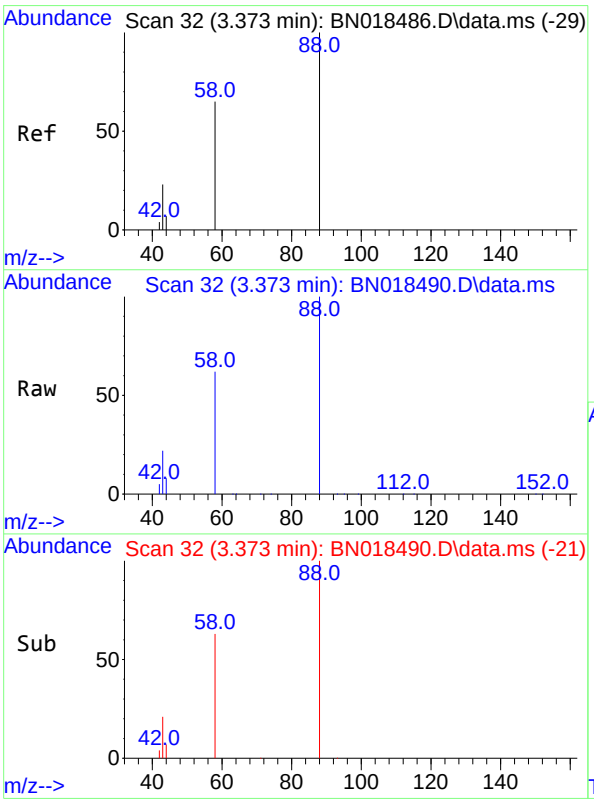
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.937 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 30377

Ion	Ratio	Lower	Upper
152	100		
150	157.5	121.7	182.5
115	58.1	43.8	65.8

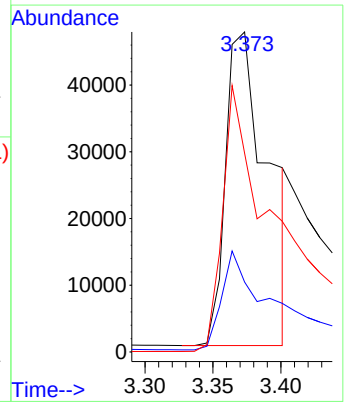


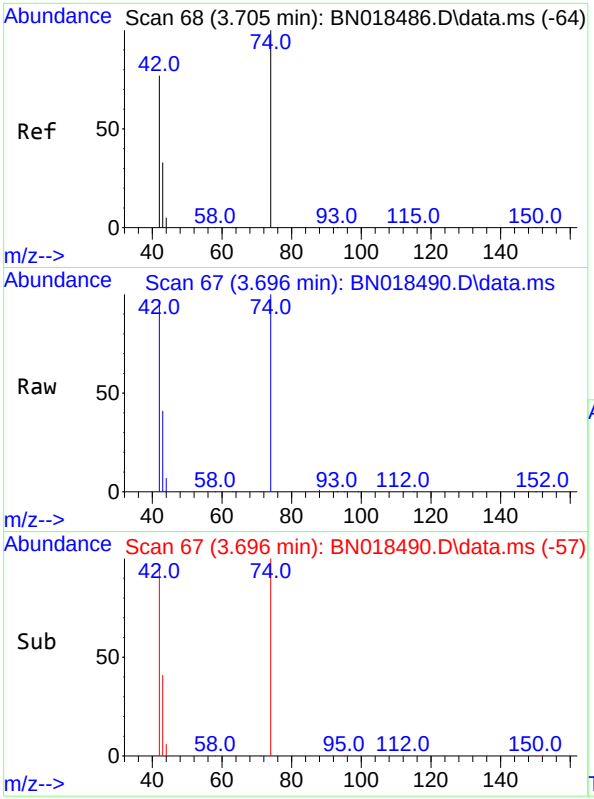


#2
1,4-Dioxane
Concen: 6.408 ng
RT: 3.373 min Scan# 32
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion: 88 Resp: 101701

Ion	Ratio	Lower	Upper
88	100		
43	29.3	69.7	104.5#
58	79.4	83.8	125.8#



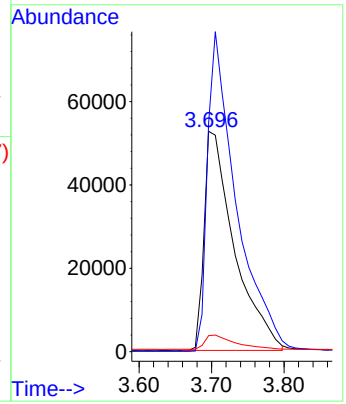


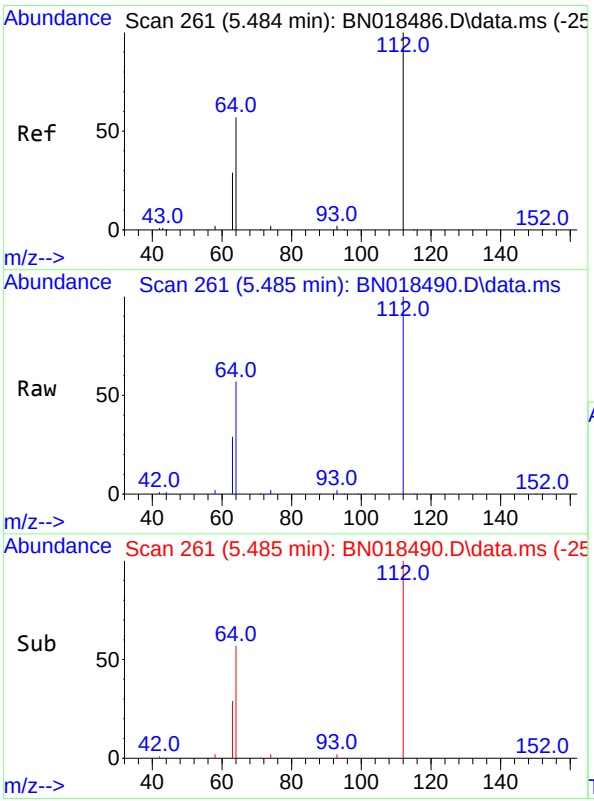
#3
n-Nitrosodimethylamine
Concen: 6.095 ng
RT: 3.696 min Scan# 6
Delta R.T. -0.009 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 152457

Ion	Ratio	Lower	Upper
42	100		
74	138.3	108.6	163.0
44	6.6	5.8	8.8

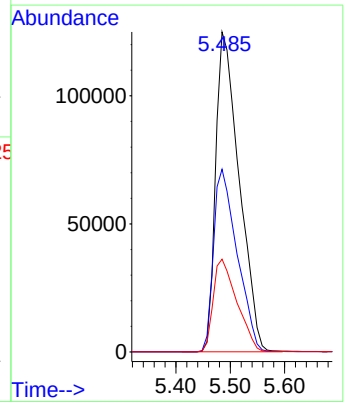


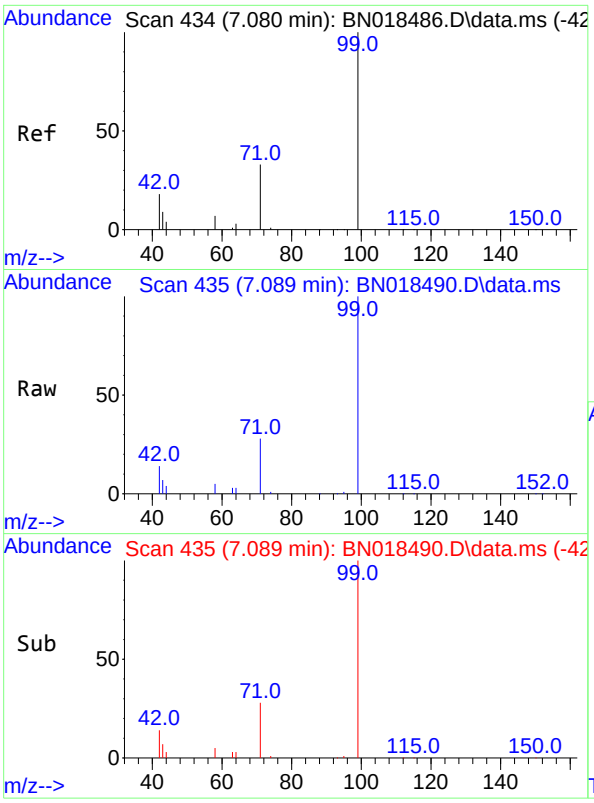


#4
2-Fluorophenol
Concen: 4.971 ng
RT: 5.485 min Scan# 261
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:112 Resp: 374588

Ion	Ratio	Lower	Upper
112	100		
64	57.3	48.0	72.0
63	29.2	25.3	37.9



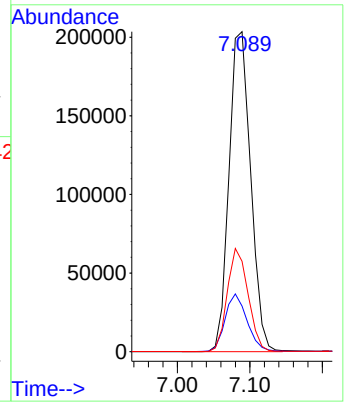


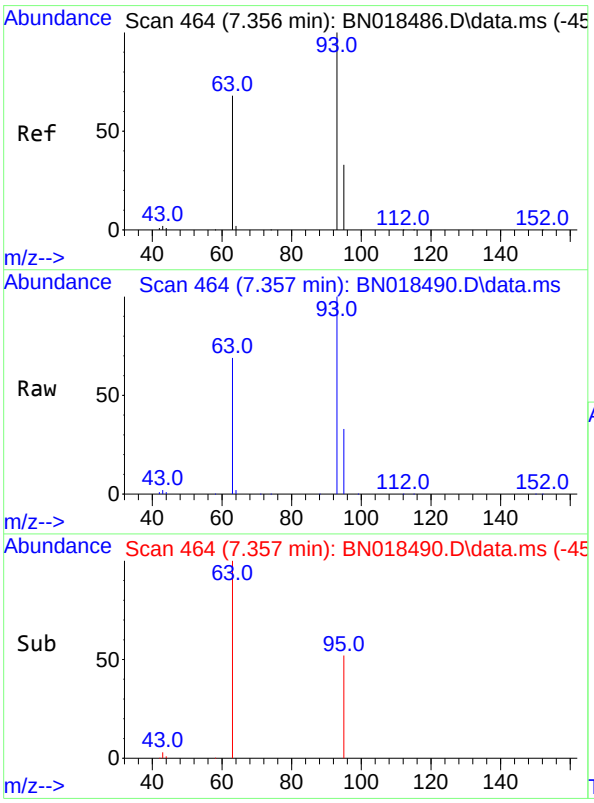
#5
Phenol-d6
Concen: 5.162 ng
RT: 7.089 min Scan# 4
Delta R.T. 0.010 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 422782

Ion	Ratio	Lower	Upper
99	100		
42	18.2	16.3	24.5
71	31.0	26.8	40.2

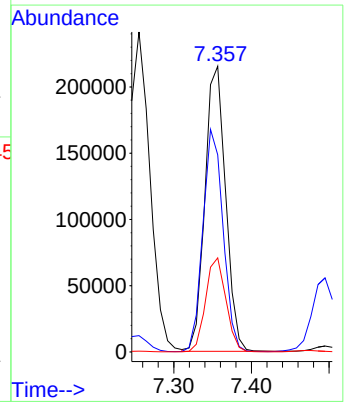


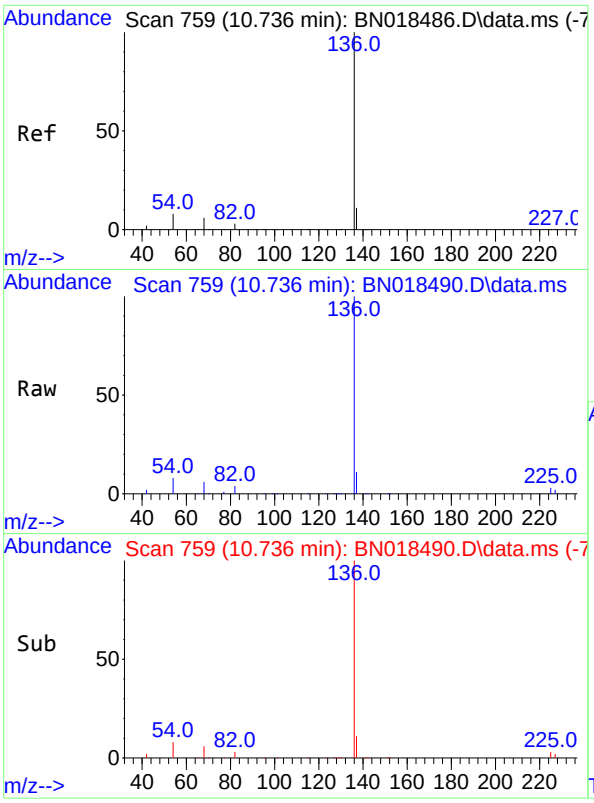


#6
bis(2-Chloroethyl)ether
Concen: 4.811 ng
RT: 7.357 min Scan# 464
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion: 93 Resp: 397993

Ion	Ratio	Lower	Upper
93	100		
63	76.4	61.7	92.5
95	32.4	26.2	39.4



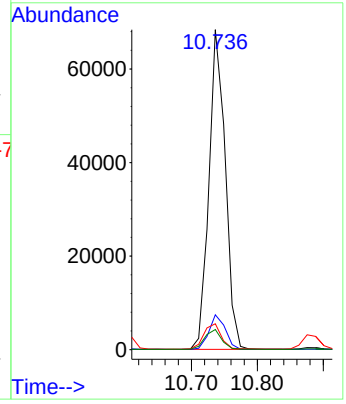


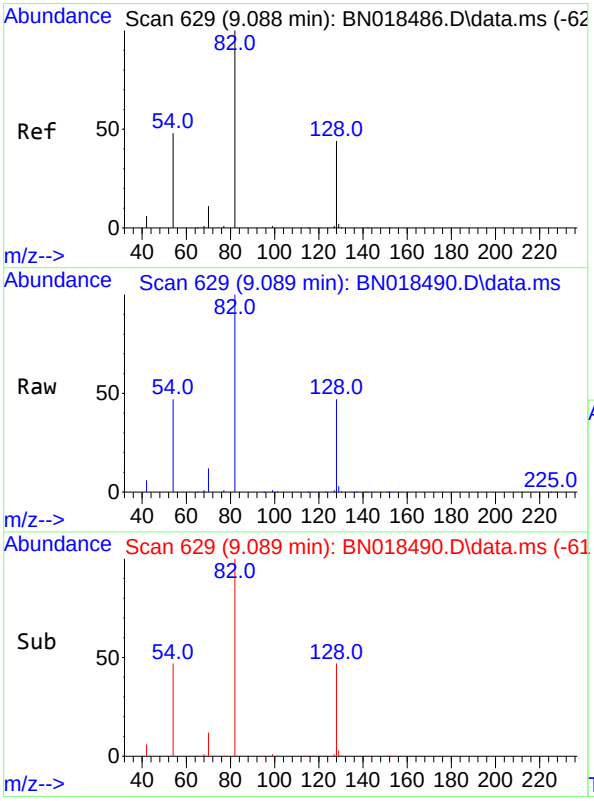
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.736 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 117894

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	5.0	7.6#
68	6.3	4.4	6.6

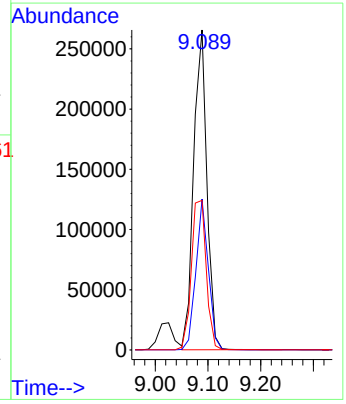


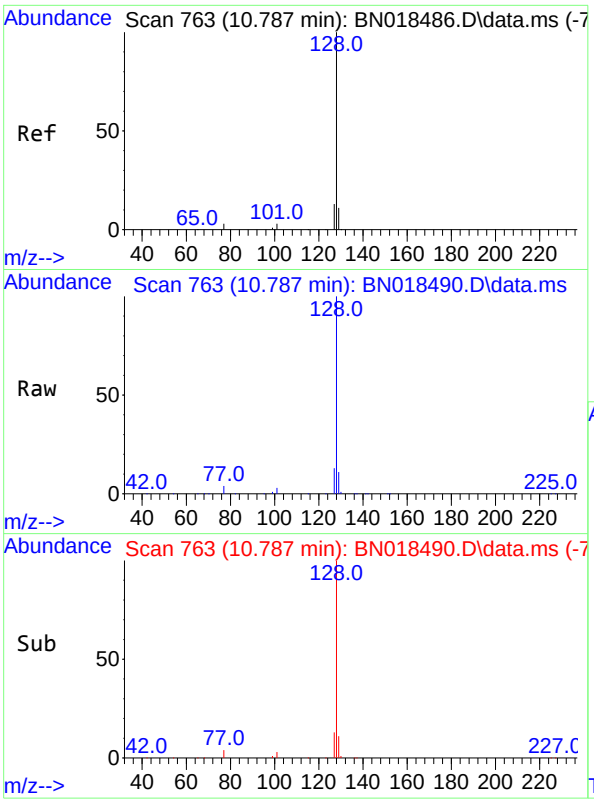


#8
Nitrobenzene-d5
Concen: 6.824 ng
RT: 9.089 min Scan# 629
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion: 82 Resp: 464168

Ion	Ratio	Lower	Upper
82	100		
128	47.1	33.7	50.5
54	46.7	36.6	55.0



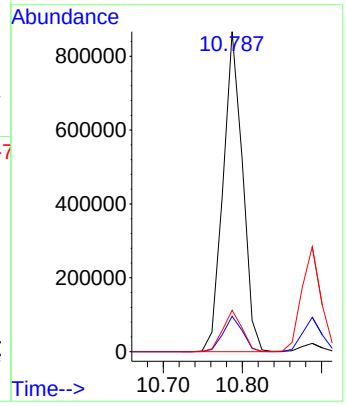


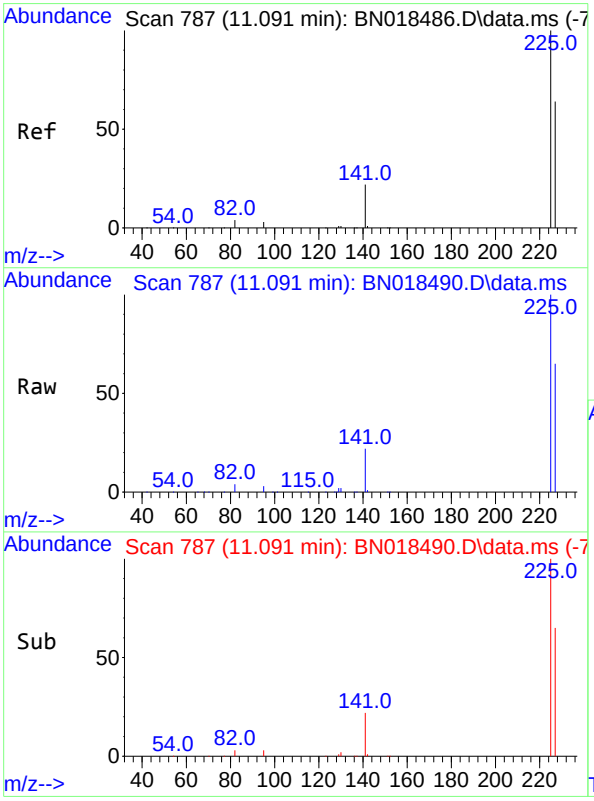
#9
Naphthalene
Concen: 5.169 ng
RT: 10.787 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 1483012

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.9	10.4	15.6

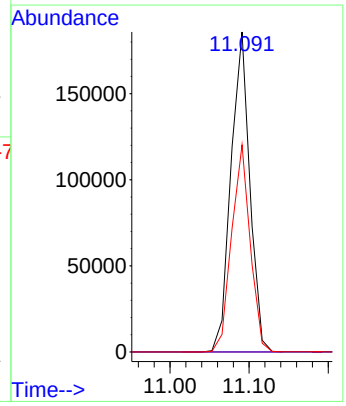


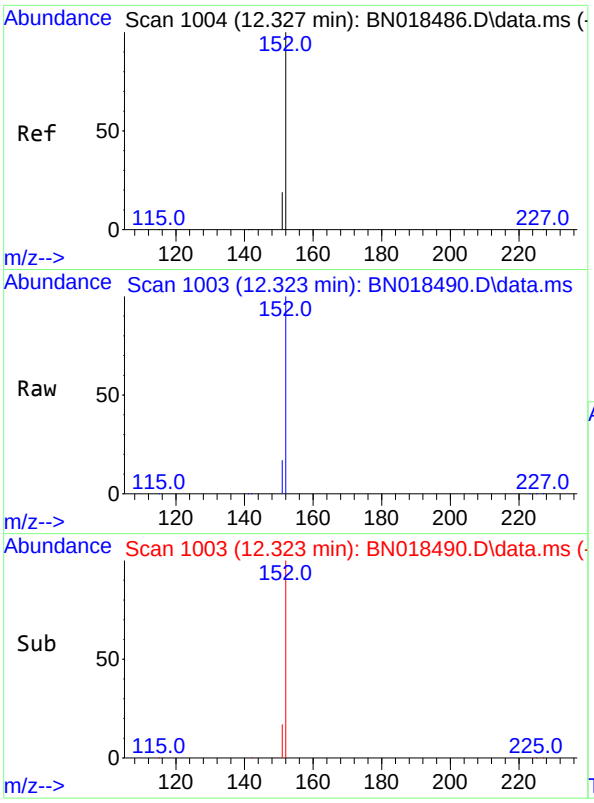


#10
Hexachlorobutadiene
Concen: 5.414 ng
RT: 11.091 min Scan# 787
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:225 Resp: 307151

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.0	76.6



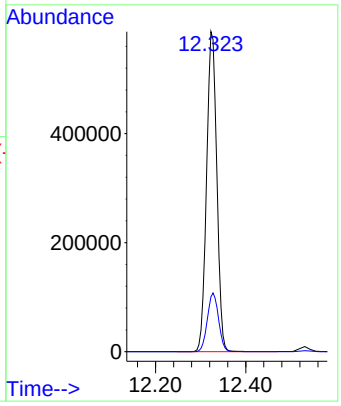


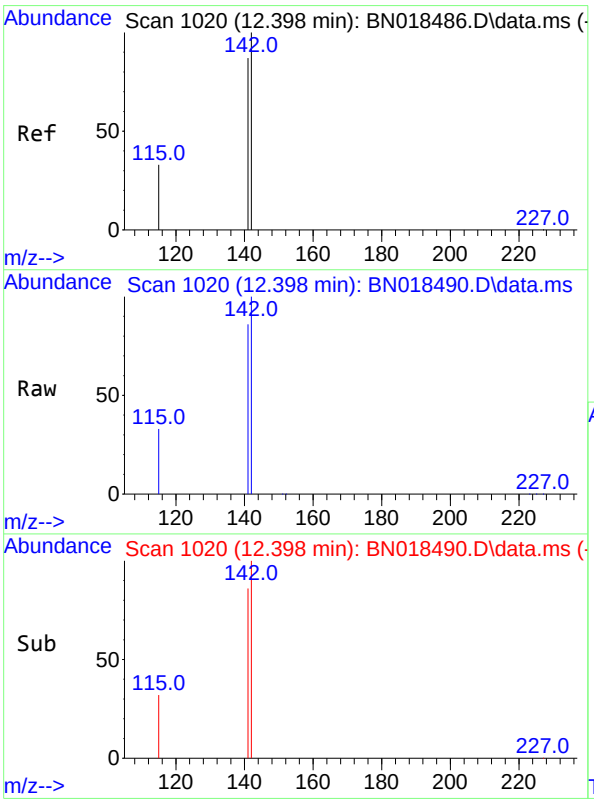
#11
2-Methylnaphthalene-d10
Concen: 4.679 ng
RT: 12.323 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 925487

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2

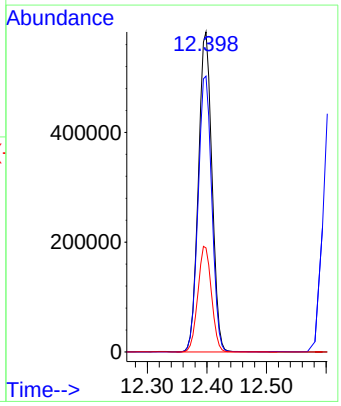


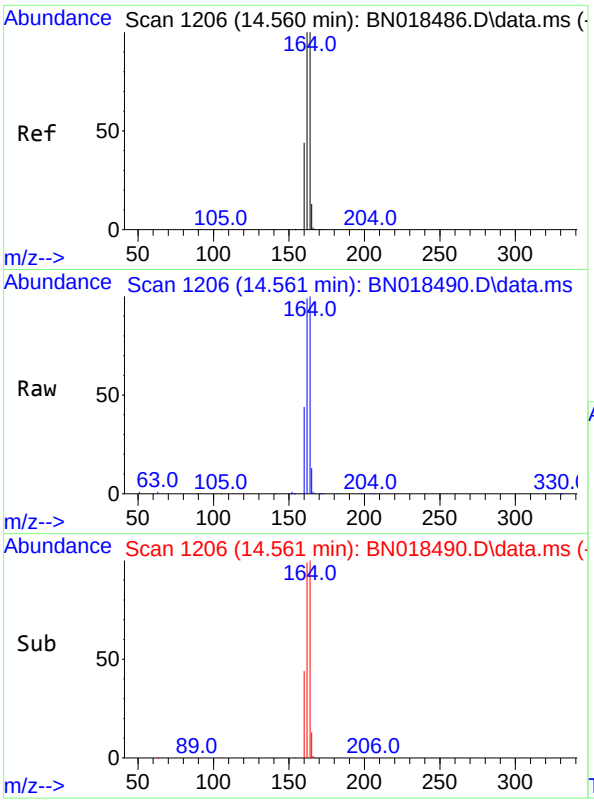


#12
2-Methylnaphthalene
Concen: 4.844 ng
RT: 12.398 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:142 Resp: 968551

Ion	Ratio	Lower	Upper
142	100		
141	86.2	70.0	105.0
115	32.5	27.8	41.8



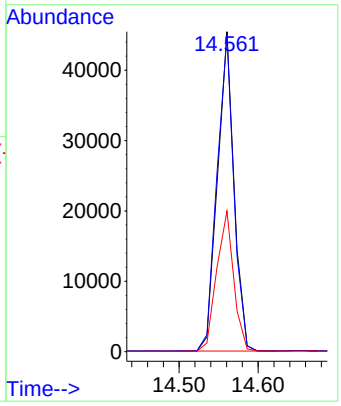


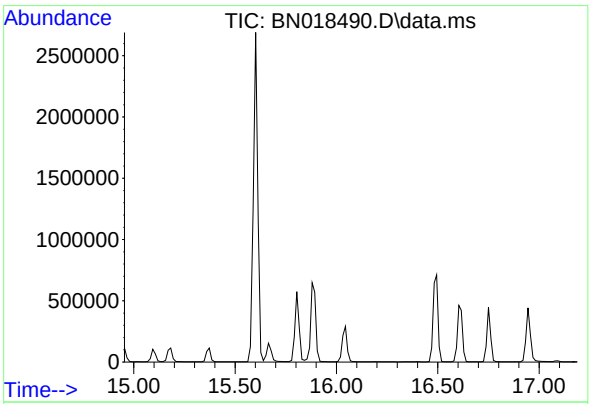
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.561 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 65874

Ion	Ratio	Lower	Upper
164	100		
162	99.0	80.2	120.2
160	44.0	36.9	55.3



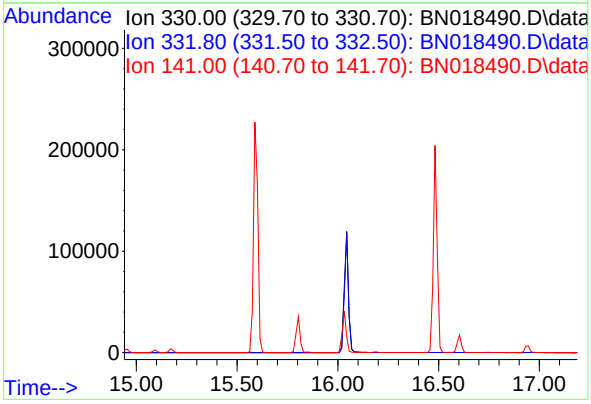


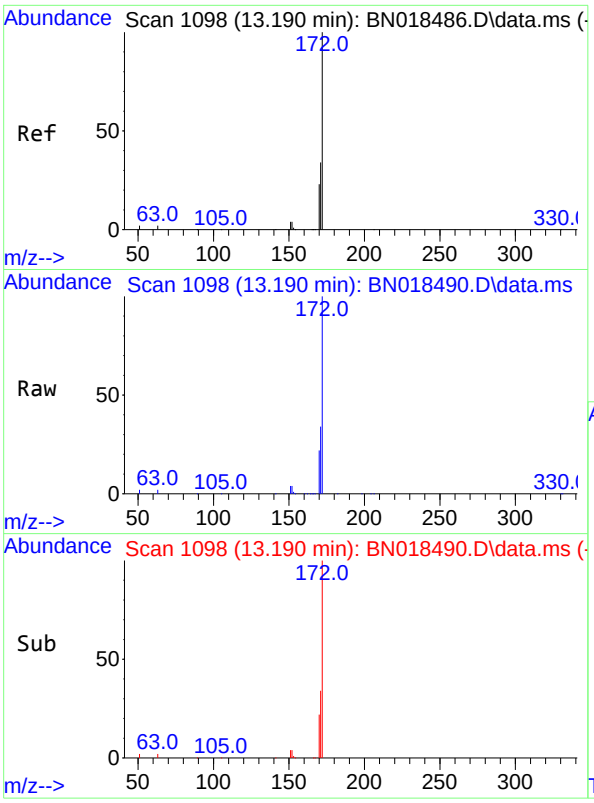
#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.04 min

Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	0.0
141	26.6



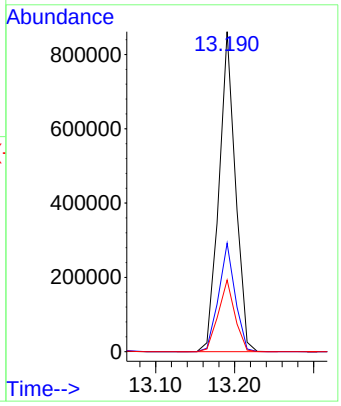


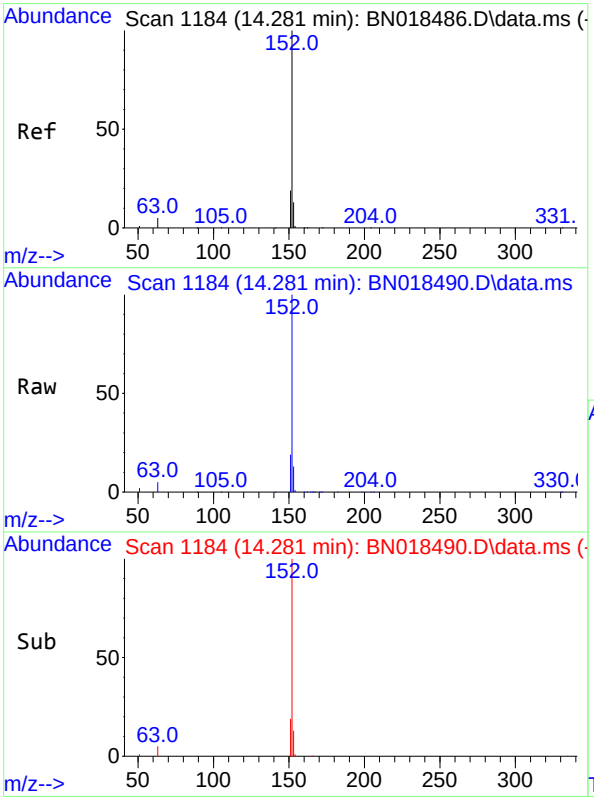
#15
2-Fluorobiphenyl
Concen: 5.278 ng
RT: 13.190 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 1247234

Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.4	41.0
170	22.4	18.4	27.6

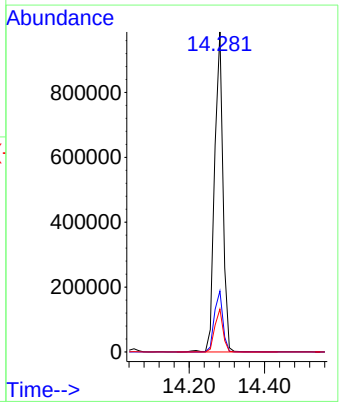


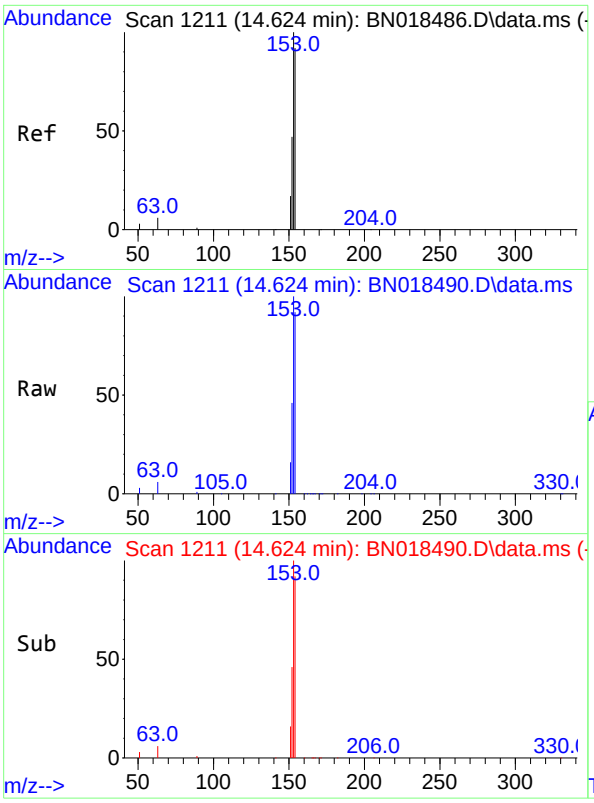


#16
Acenaphthylene
Concen: 6.182 ng
RT: 14.281 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:152 Resp: 1508765

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	13.2	10.5	15.7



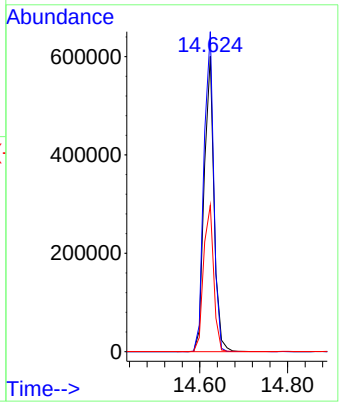


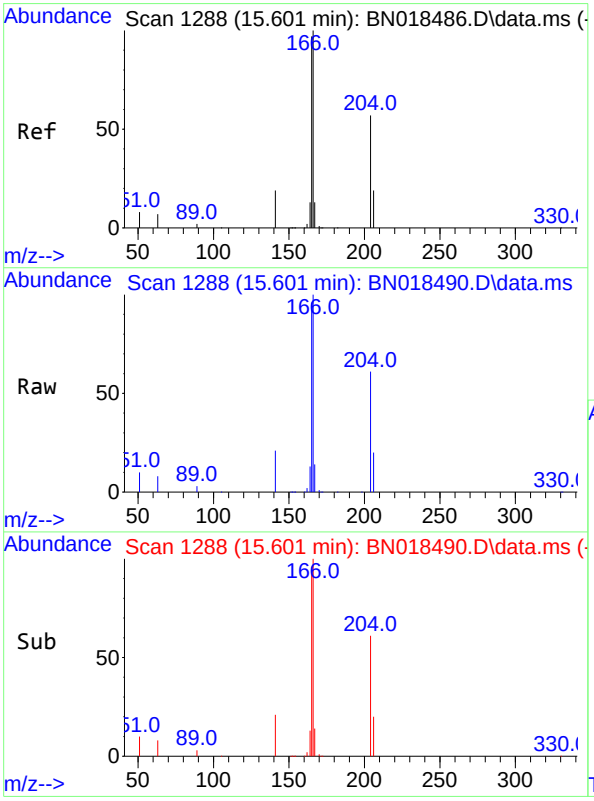
#17
Acenaphthene
Concen: 5.345 ng
RT: 14.624 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 929453

Ion	Ratio	Lower	Upper
154	100		
153	108.0	90.9	136.3
152	51.1	45.0	67.4

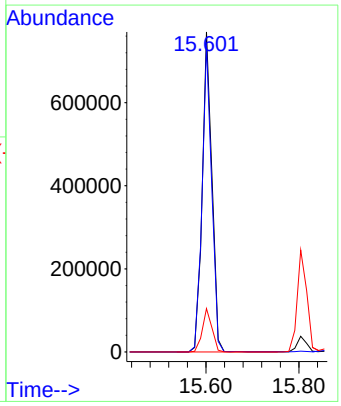


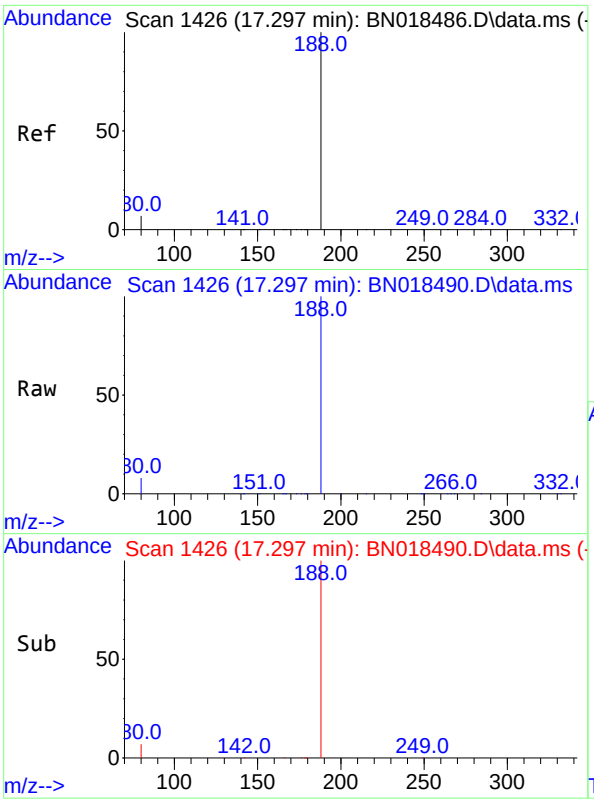


#18
Fluorene
Concen: 5.331 ng
RT: 15.601 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:166 Resp: 1115011

Ion	Ratio	Lower	Upper
166	100		
165	95.9	77.8	116.6
167	13.6	10.9	16.3



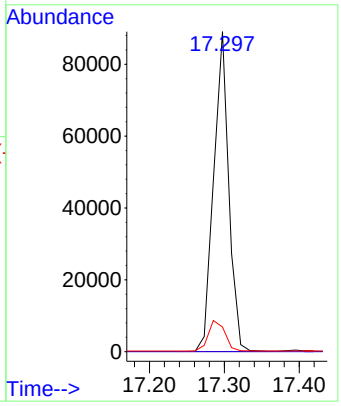


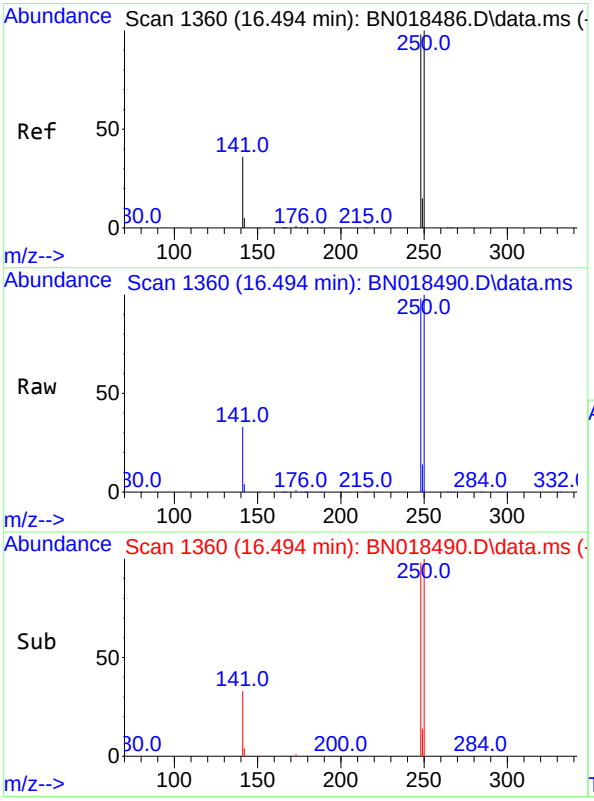
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.297 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 124631

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	7.0	10.4

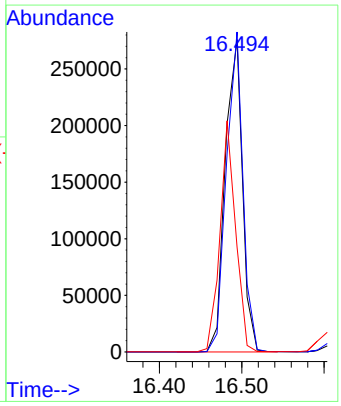


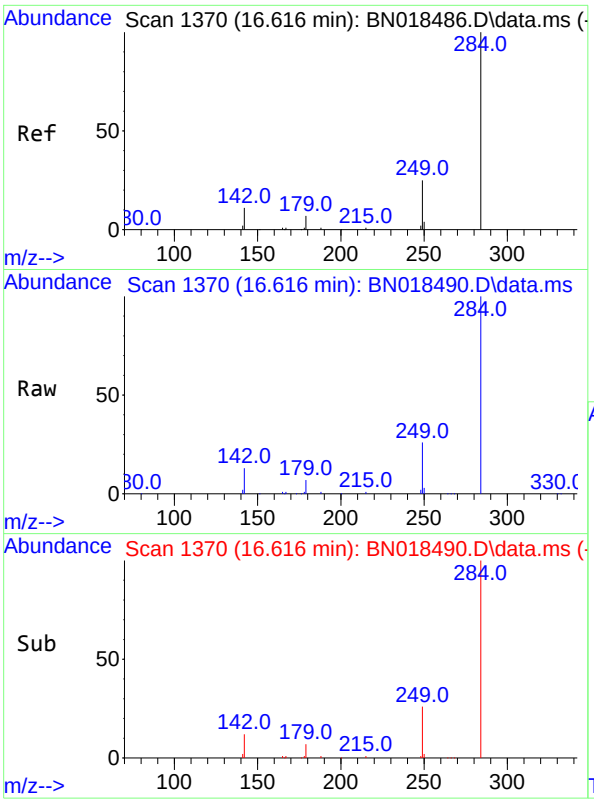


#21
4-Bromophenyl-phenylether
Concen: 6.007 ng
RT: 16.494 min Scan# 1360
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:248 Resp: 401836

Ion	Ratio	Lower	Upper
248	100		
250	102.5	74.4	111.6
141	33.7	43.7	65.5#



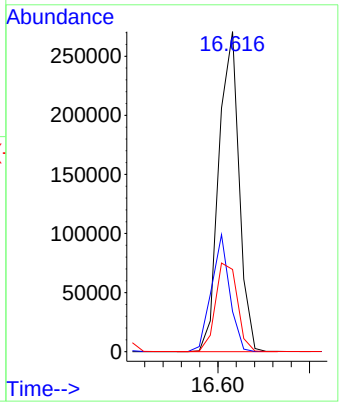


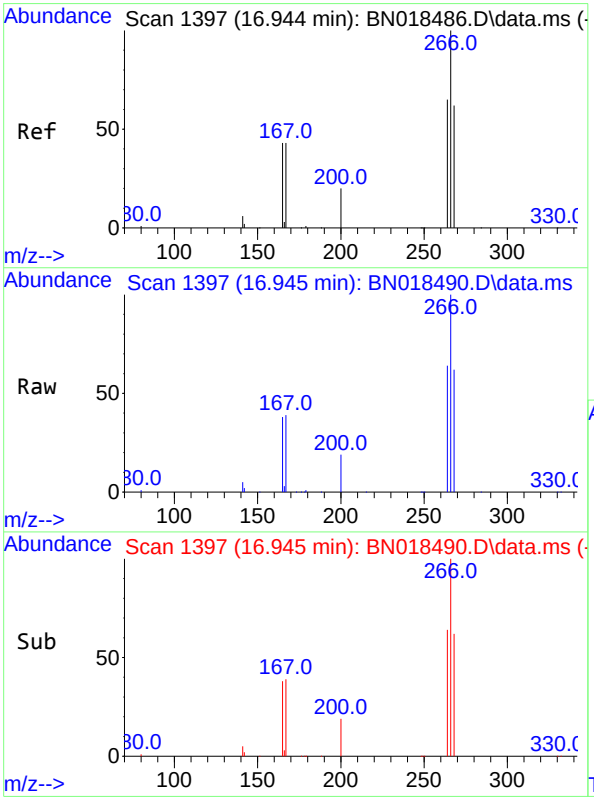
#22
Hexachlorobenzene
Concen: 5.608 ng
RT: 16.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 414851

Ion	Ratio	Lower	Upper
284	100		
142	33.0	21.6	32.4#
249	30.0	23.5	35.3

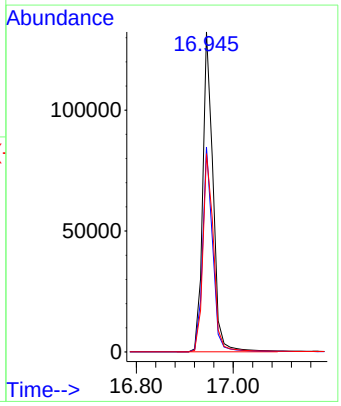


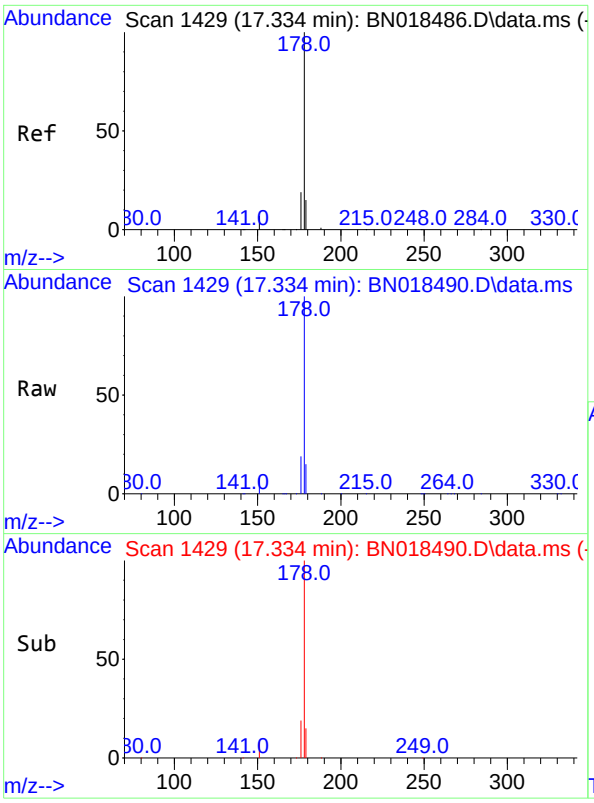


#24
Pentachlorophenol
Concen: 8.251 ng
RT: 16.945 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:266 Resp: 195908

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.5	74.3
268	63.9	50.6	76.0



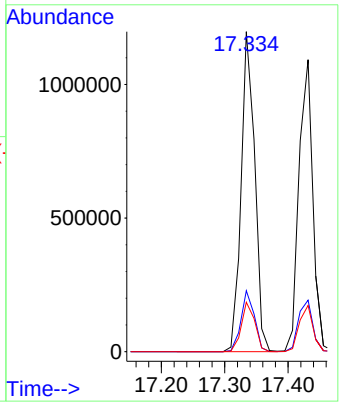


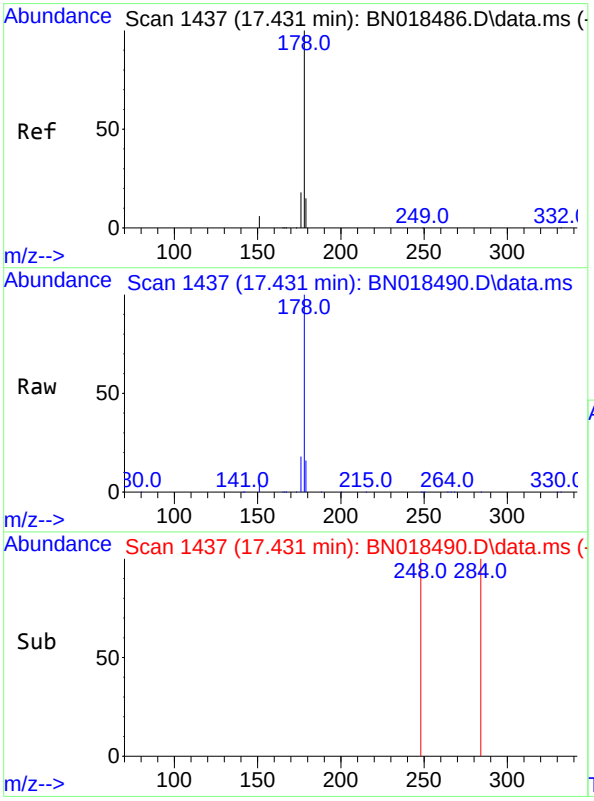
#25
Phenanthrene
Concen: 5.408 ng
RT: 17.334 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 1789132

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.5	12.3	18.5

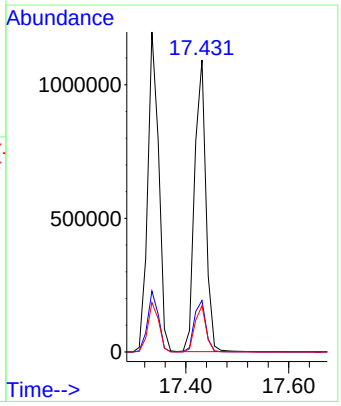


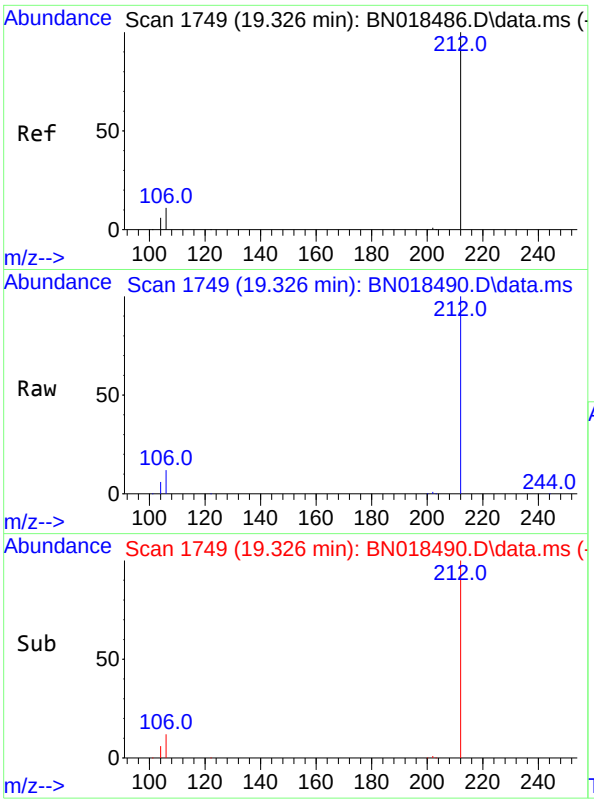


#26
Anthracene
Concen: 5.951 ng
RT: 17.431 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:178 Resp: 1664970

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.6	12.2	18.4



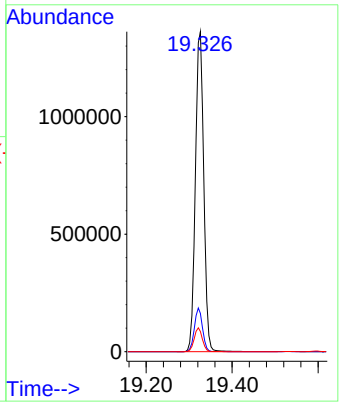


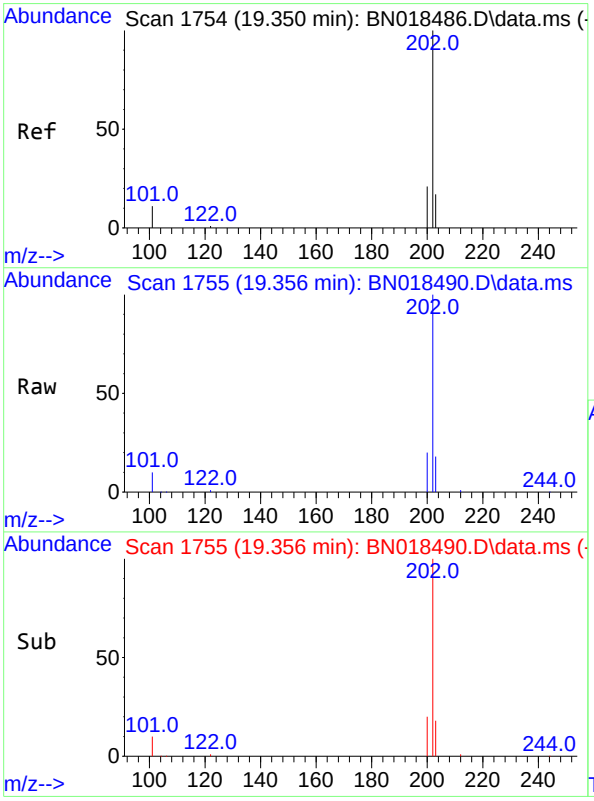
#27
Fluoranthene-d10
Concen: 4.876 ng
RT: 19.326 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 1832761

Ion	Ratio	Lower	Upper
212	100		
106	13.3	8.4	12.6#
104	7.2	4.5	6.7#

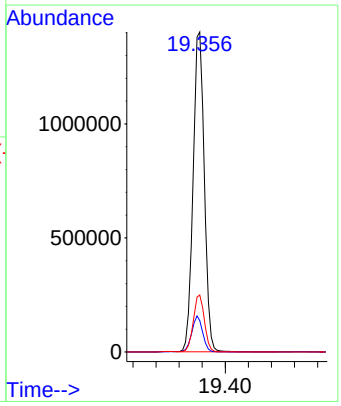


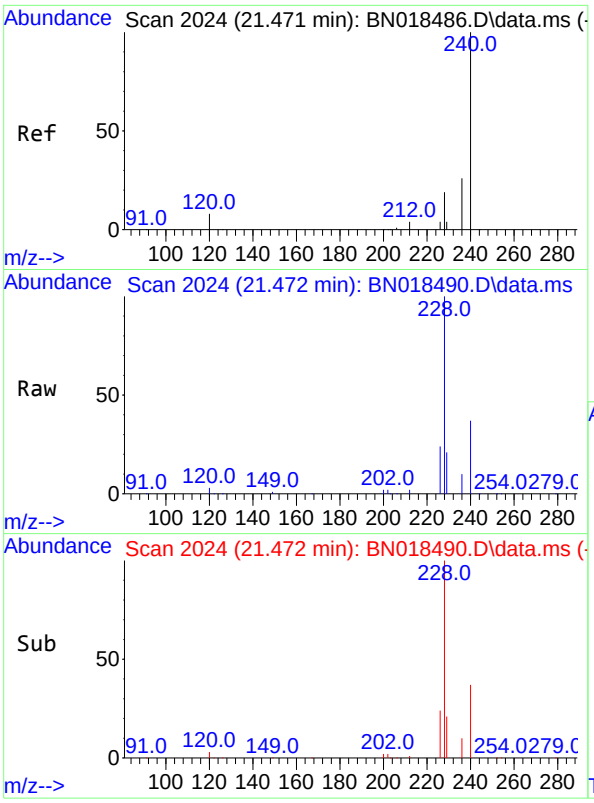


#28
Fluoranthene
Concen: 5.261 ng
RT: 19.356 min Scan# 1755
Delta R.T. 0.005 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:202 Resp: 1901714

Ion	Ratio	Lower	Upper
202	100		
101	11.0	7.2	10.8#
203	17.6	13.7	20.5



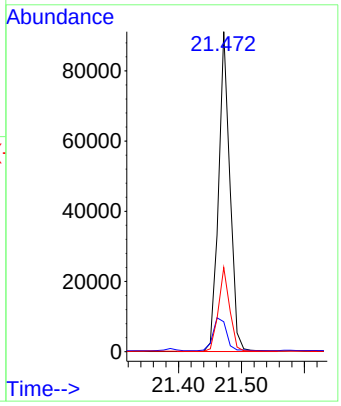


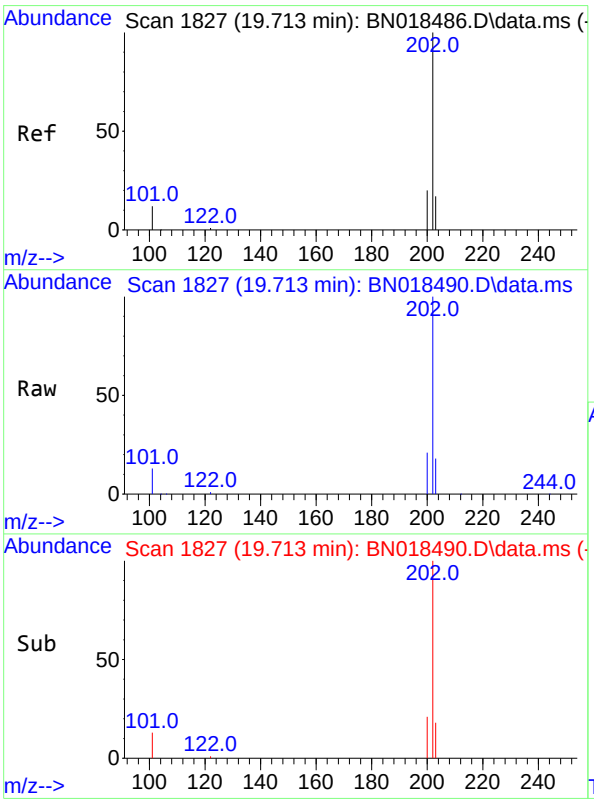
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.472 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 114395

Ion	Ratio	Lower	Upper
240	100		
120	9.4	6.0	9.0#
236	26.3	21.4	32.2

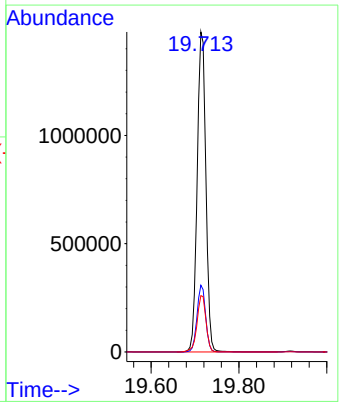


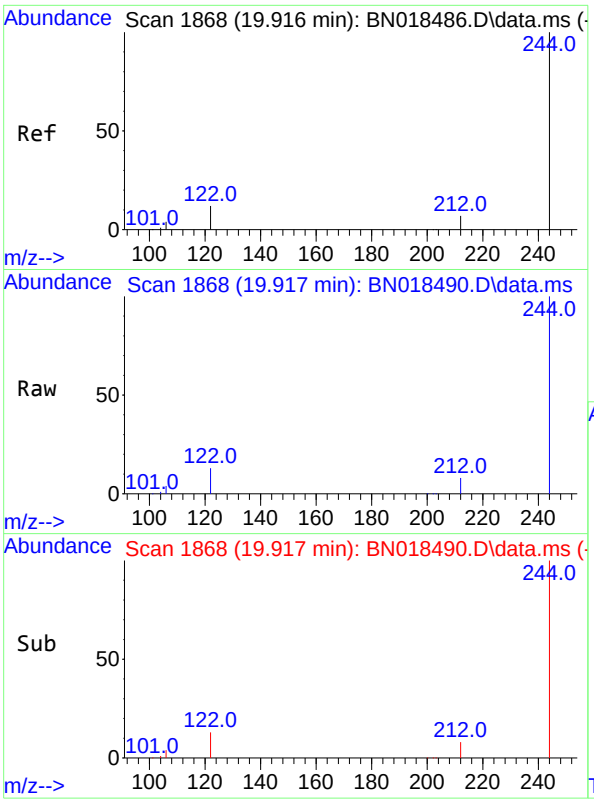


#30
Pyrene
Concen: 4.154 ng
RT: 19.713 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:202 Resp: 2028031

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	18.2	14.1	21.1



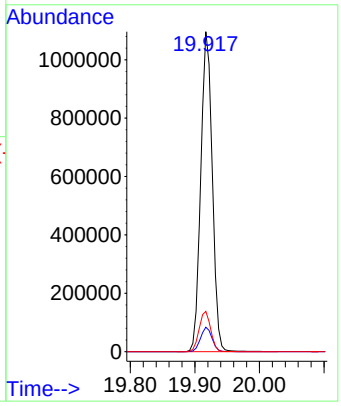


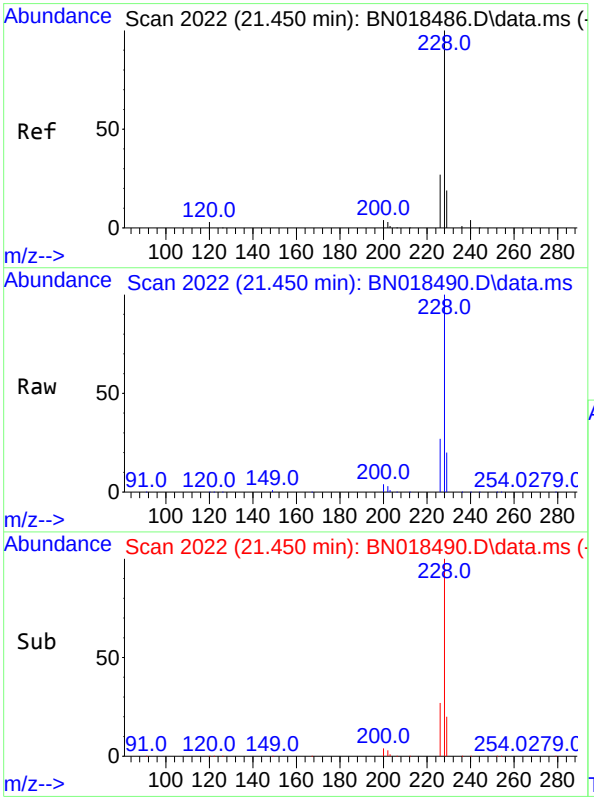
#31
Terphenyl-d14
Concen: 4.091 ng
RT: 19.917 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 1454524

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	12.6	7.9	11.9#

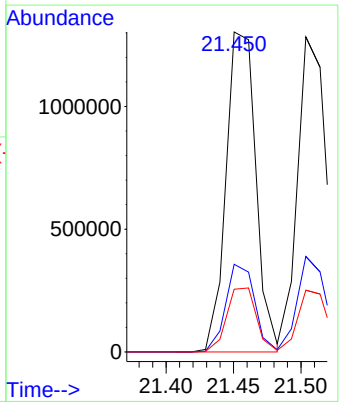


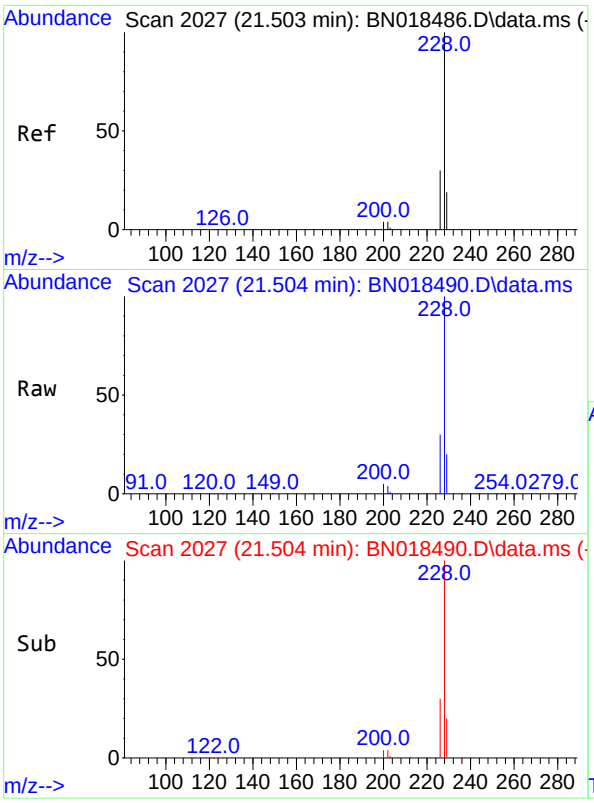


#32
Benzo(a)anthracene
Concen: 5.544 ng
RT: 21.450 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:228 Resp: 2008445

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.3	31.9
229	19.6	15.9	23.9



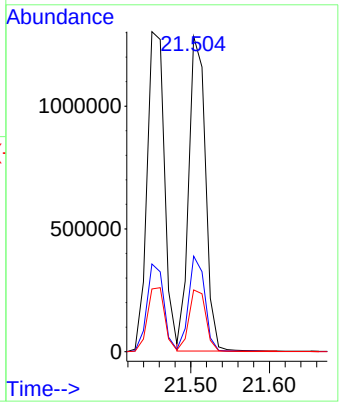


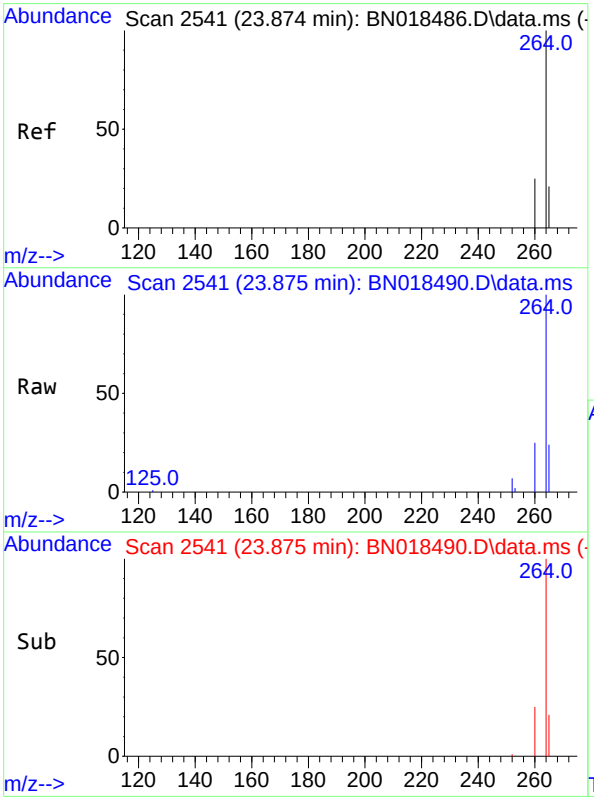
#33
Chrysene
Concen: 5.282 ng
RT: 21.504 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 1892686

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	19.6	15.5	23.3

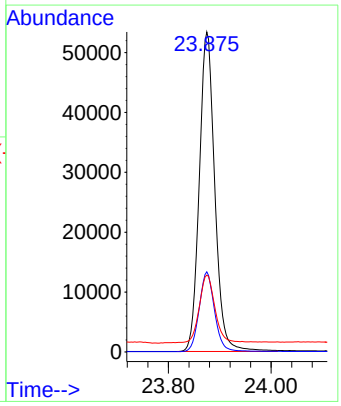


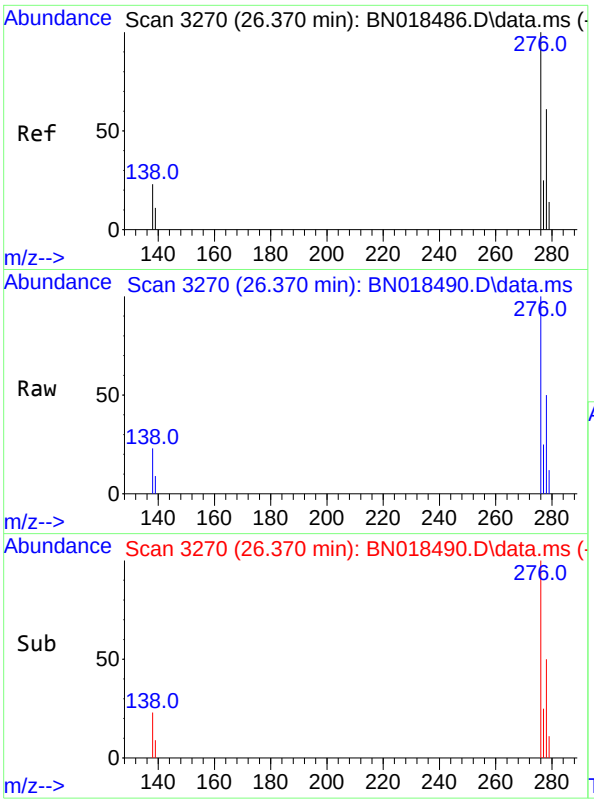


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.875 min Scan# 2541
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:264 Resp: 111969

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.4
265	24.0	18.2	27.2



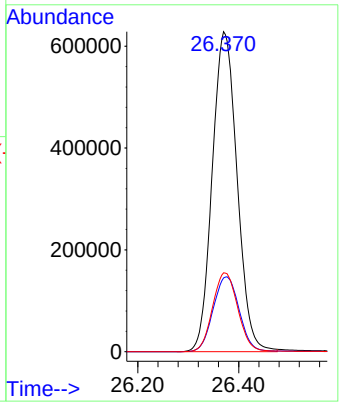


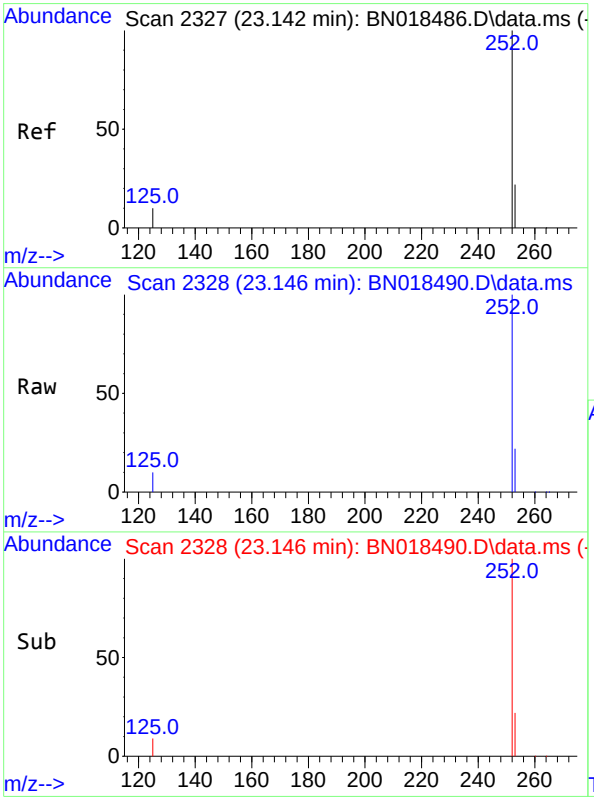
#36
Indeno(1,2,3-cd)pyrene
Concen: 10.781 ng
RT: 26.370 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 2146068

Ion	Ratio	Lower	Upper
276	100		
138	24.5	14.9	22.3#
277	25.0	19.9	29.9

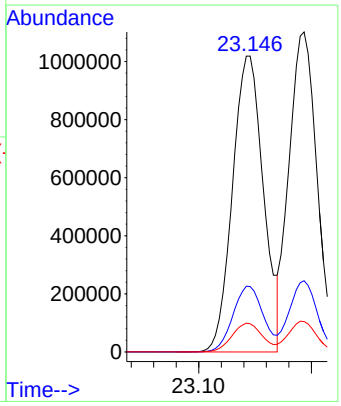


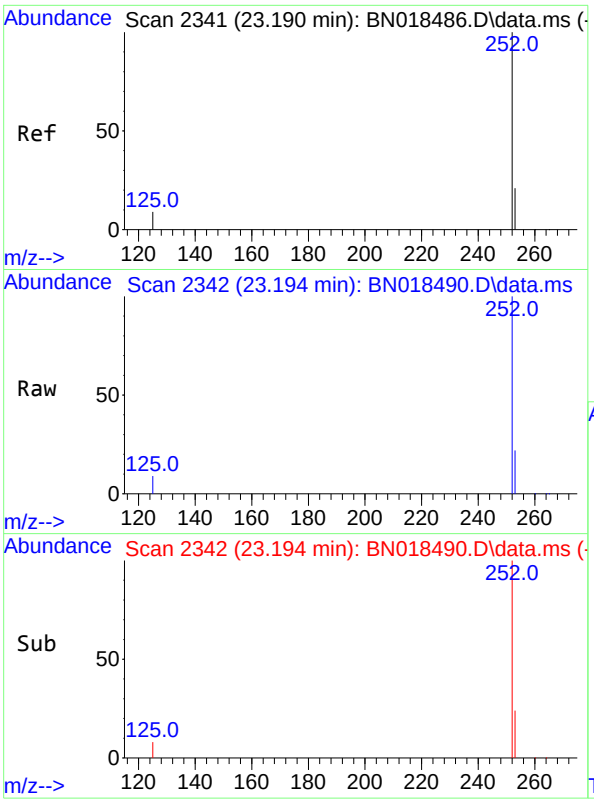


#37
Benzo(b)fluoranthene
Concen: 4.823 ng
RT: 23.146 min Scan# 2328
Delta R.T. 0.004 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:252 Resp: 1945246

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	9.5	6.0	9.0#



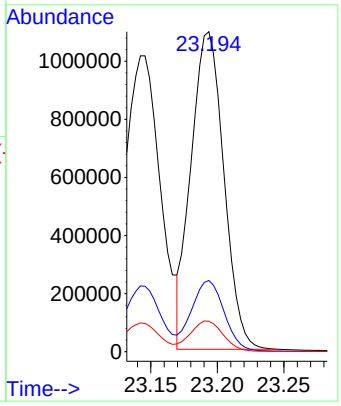


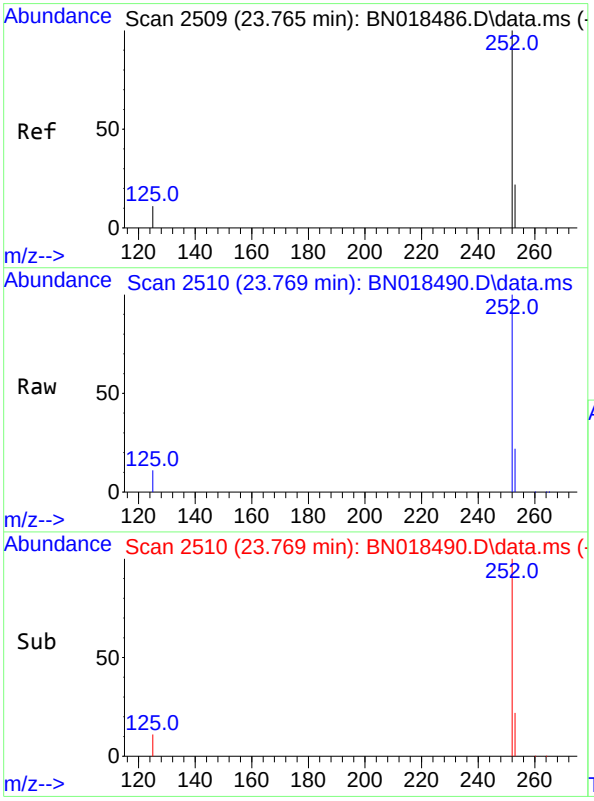
#38
Benzo(k)fluoranthene
Concen: 5.271 ng
RT: 23.194 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 1870445

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.5	6.2	9.2#

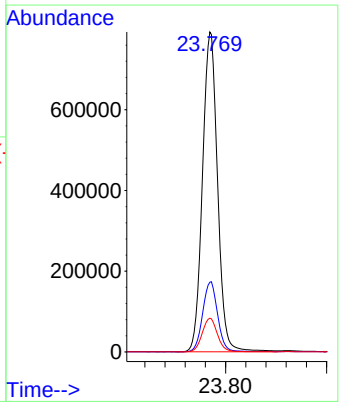


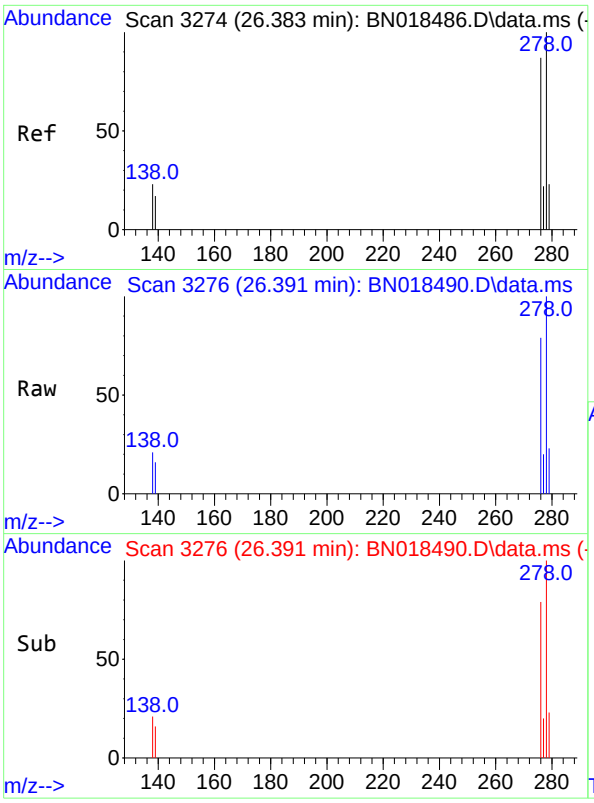


#39
Benzo(a)pyrene
Concen: 5.545 ng
RT: 23.769 min Scan# 2510
Delta R.T. 0.004 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:252 Resp: 1636896

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	10.5	7.0	10.4#



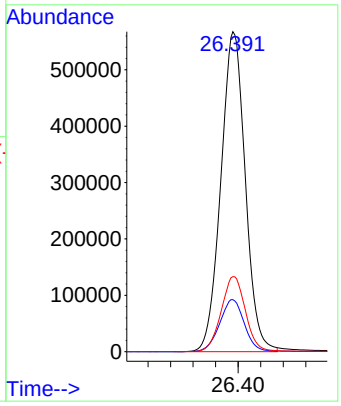


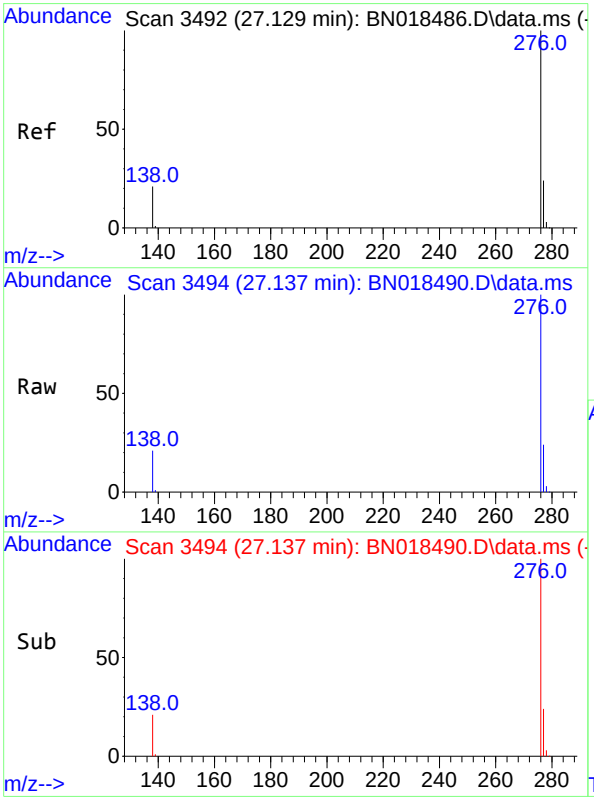
#40
Dibenzo(a,h)anthracene
Concen: 12.979 ng
RT: 26.391 min Scan# 3
Delta R.T. 0.007 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 1704094

Ion	Ratio	Lower	Upper
278	100		
139	16.3	10.8	16.2#
279	23.5	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 9.128 ng
RT: 27.137 min Scan# 3494
Delta R.T. 0.007 min
Lab File: BN018490.D
Acq: 27 Jan 2022 15:03

Tgt Ion:276 Resp: 1848636

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	21.4	12.6	19.0#