Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
Data File : BN018261.D
Acq On : 29 Dec 2021 14:24
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Dec 29 14:59:30 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 29 12:39:17 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	32645	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	118172	0.400	ng	0.00
13) Acenaphthene-d10	14.268	164	68194	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	130673	0.400	ng	# 0.00
29) Chrysene-d12	21.195	240	129999	0.400	ng	# 0.00
35) Perylene-d12	23.419	264	114965	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.235	112	336583	4.723	ng	0.00
5) Phenol-d6	6.821	99	351124	4.602	ng	0.00
8) Nitrobenzene-d5	8.784	82	427832	5.379	ng	0.00
11) 2-Methylnaphthalene-d10	12.007	152	967075	4.762	ng	0.00
14) 2,4,6-Tribromophenol	15.753	330	175959	5.298	ng	-0.01
15) 2-Fluorobiphenyl	12.885	172	1244049	4.880	ng	-0.01
27) Fluoranthene-d10	19.038	212	2148611	5.191	ng	0.00
31) Terphenyl-d14	19.643	244	1453739	5.081	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.179	88	84108	4.291	ng	# 58
3) n-Nitrosodimethylamine	3.502	42	140700	4.931	ng	98
6) bis(2-Chloroethyl)ether	7.070	93	373131	4.538	ng	99
9) Naphthalene	10.457	128	1387458	4.756	ng	99
10) Hexachlorobutadiene	10.761	225	390243	5.030	ng	# 100
12) 2-Methylnaphthalene	12.082	142	894654	4.643	ng	99
16) Acenaphthylene	13.977	152	1351956	5.336	ng	100
17) Acenaphthene	14.332	154	864290	4.891	ng	97
18) Fluorene	15.309	166	1049468	4.832	ng	99
20) 4,6-Dinitro-2-methylph...	15.398	198	28349	6.101	ng	# 75
21) 4-Bromophenyl-phenylether	16.202	248	434047	5.428	ng	94
22) Hexachlorobenzene	16.324	284	476631	5.028	ng	100
23) Atrazine	16.482	200	321388	6.476	ng	94
24) Pentachlorophenol	16.664	266	136135	5.124	ng	99
25) Phenanthrene	17.042	178	1672983	4.824	ng	99
26) Anthracene	17.139	178	1559581	5.458	ng	99
28) Fluoranthene	19.068	202	1992908	4.922	ng	99
30) Pyrene	19.430	202	2109122	5.055	ng	100
32) Benzo(a)anthracene	21.174	228	2044535	5.414	ng	99
33) Chrysene	21.227	228	1952577	4.739	ng	99
36) Indeno(1,2,3-cd)pyrene	25.678	276	1568479	4.714	ng	99
37) Benzo(b)fluoranthene	22.748	252	1900815	5.346	ng	100
38) Benzo(k)fluoranthene	22.793	252	1852375	5.170	ng	99
39) Benzo(a)pyrene	23.320	252	1681717	5.262	ng	98
40) Dibenzo(a,h)anthracene	25.692	278	1184005	4.846	ng	98
41) Benzo(g,h,i)perylene	26.370	276	1422049	4.639	ng	99

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

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 29 12:39:17 2021
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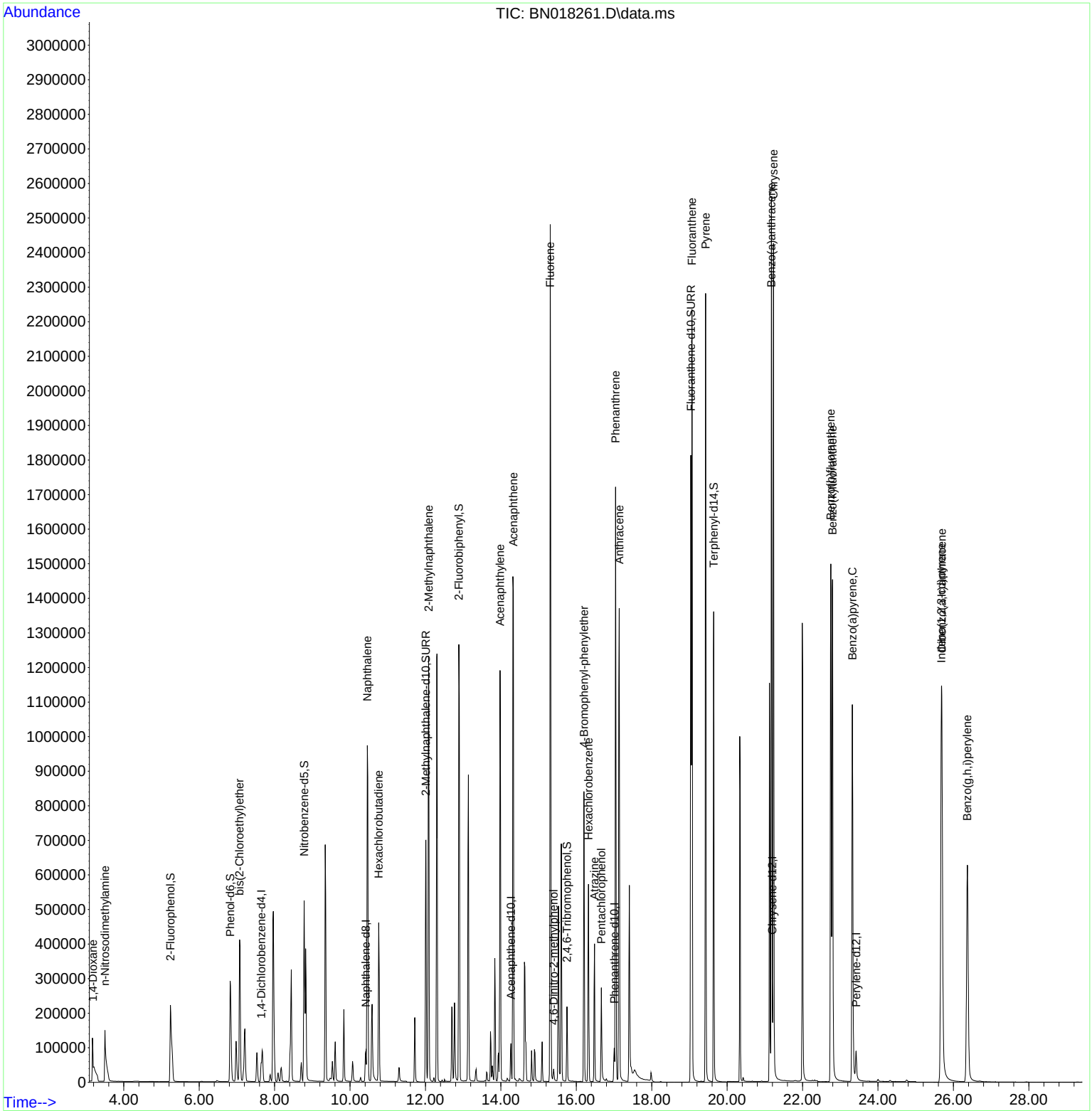
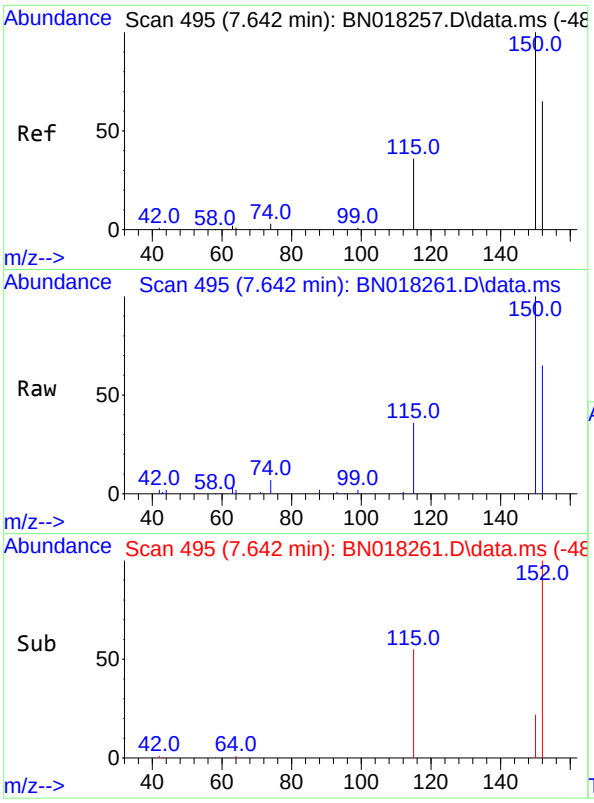


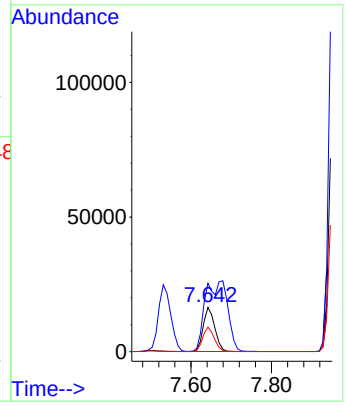


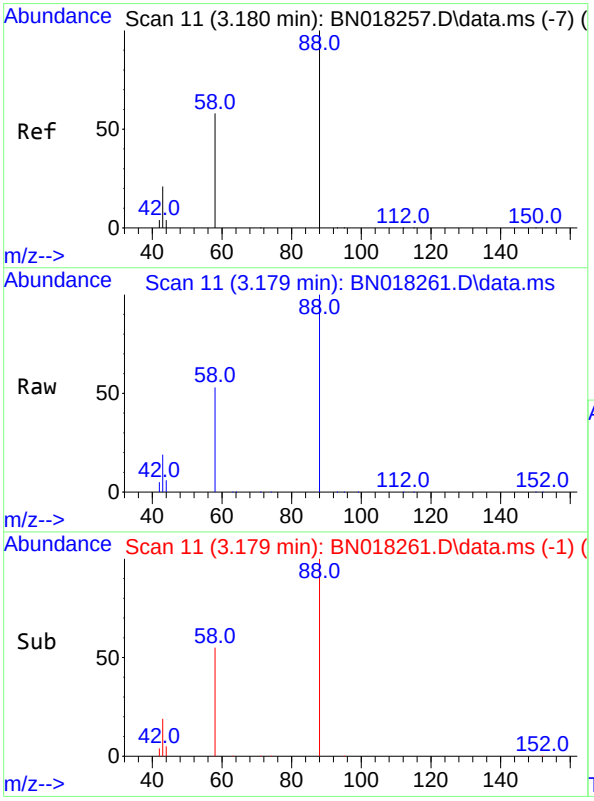
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 32645

Ion	Ratio	Lower	Upper
152	100		
150	153.8	121.7	182.5
115	55.1	43.8	65.8

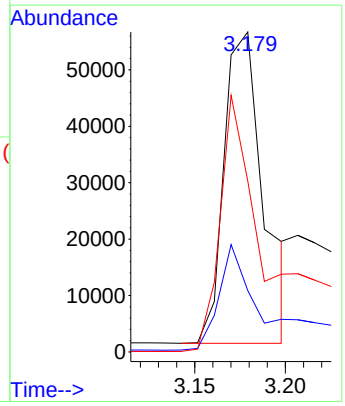


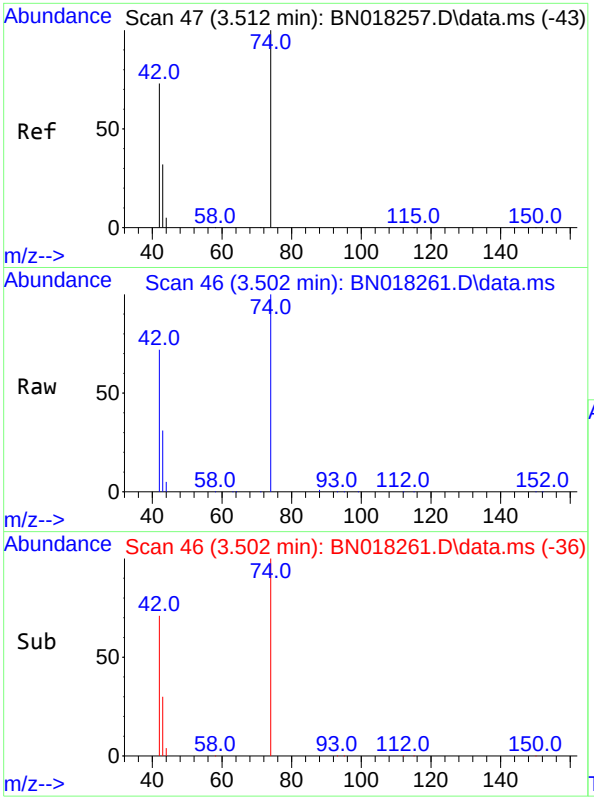


#2
1,4-Dioxane
Concen: 4.291 ng
RT: 3.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion: 88 Resp: 84108

Ion	Ratio	Lower	Upper
88	100		
43	33.8	69.7	104.5#
58	75.3	83.8	125.8#



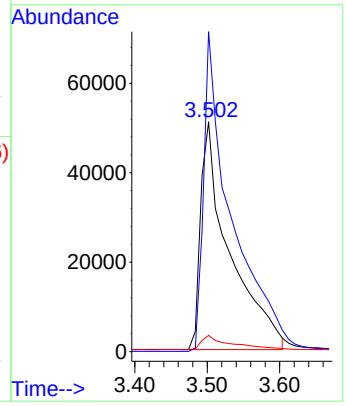


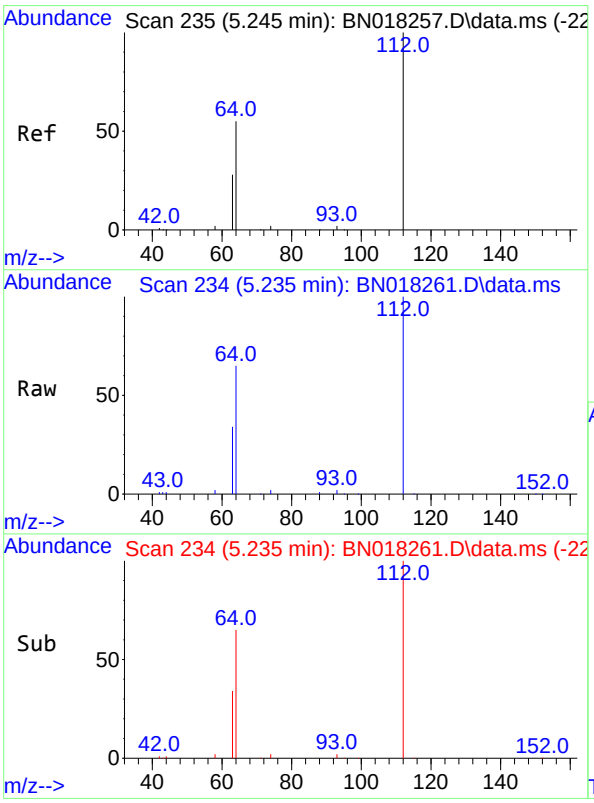
#3
n-Nitrosodimethylamine
Concen: 4.931 ng
RT: 3.502 min Scan# 4
Delta R.T. -0.010 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 140700

Ion	Ratio	Lower	Upper
42	100		
74	133.8	108.6	163.0
44	6.4	5.8	8.8

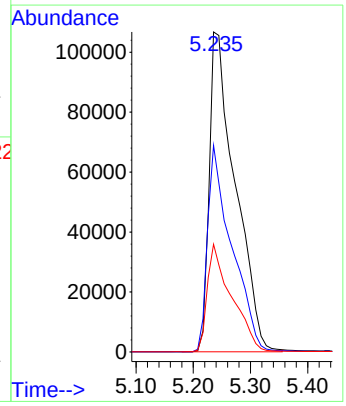


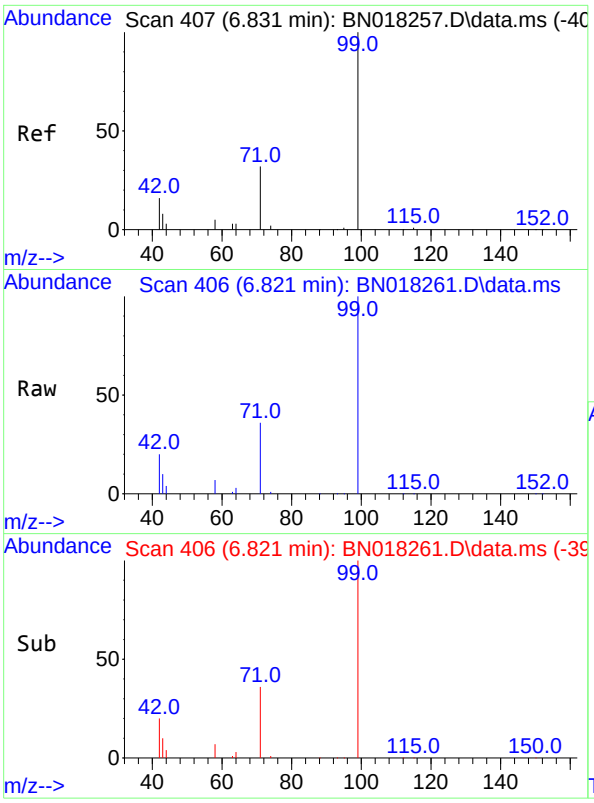


#4
2-Fluorophenol
Concen: 4.723 ng
RT: 5.235 min Scan# 234
Delta R.T. -0.010 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:112 Resp: 336583

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.0	72.0
63	31.5	25.3	37.9



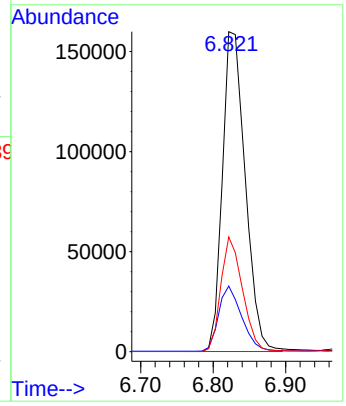


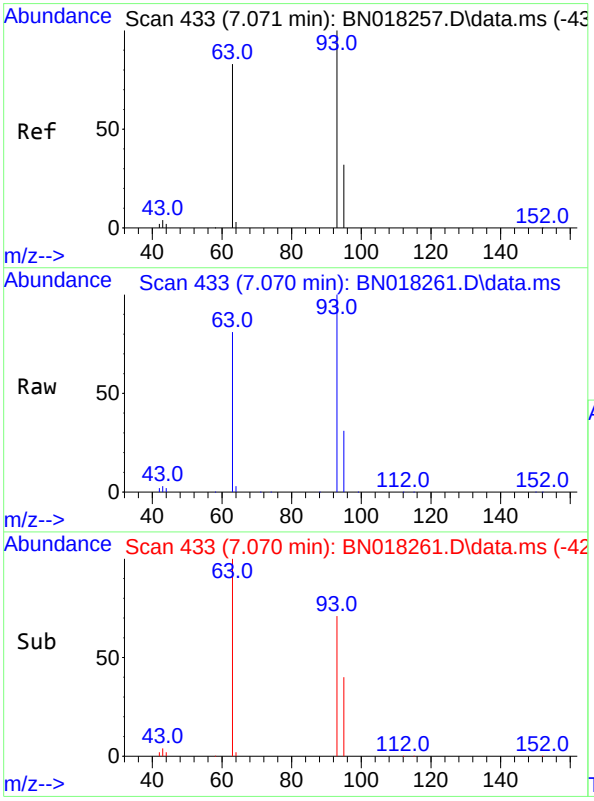
#5
Phenol-d6
Concen: 4.602 ng
RT: 6.821 min Scan# 4(
Delta R.T. -0.010 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 351124

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.3	24.5
71	34.0	26.8	40.2

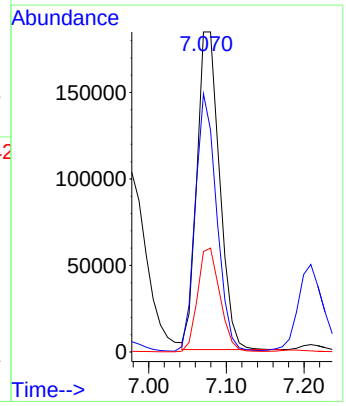


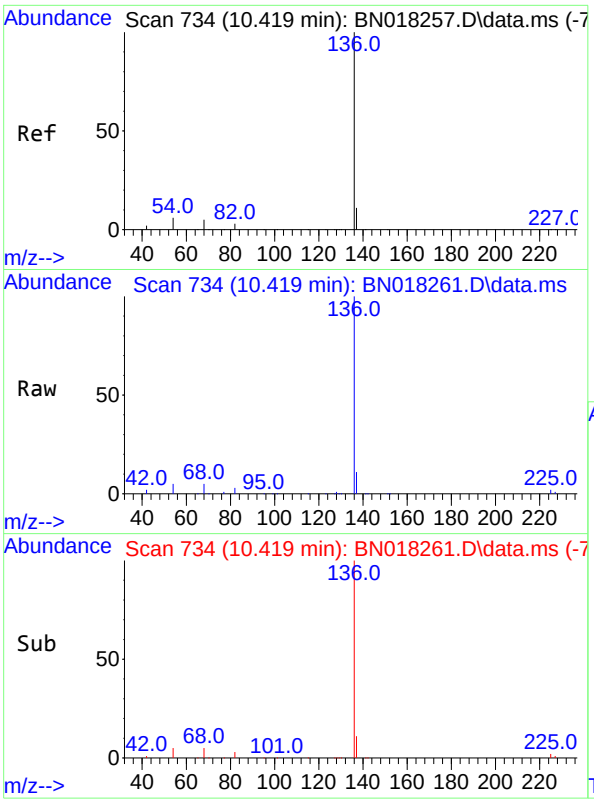


#6
bis(2-Chloroethyl)ether
Concen: 4.538 ng
RT: 7.070 min Scan# 433
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion: 93 Resp: 373131

Ion	Ratio	Lower	Upper
93	100		
63	76.4	61.7	92.5
95	32.3	26.2	39.4



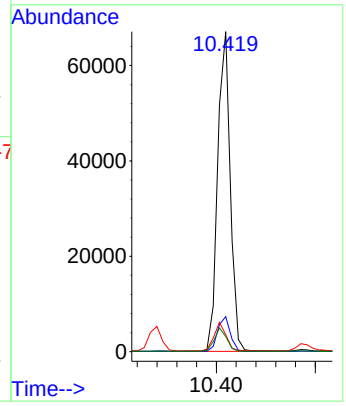


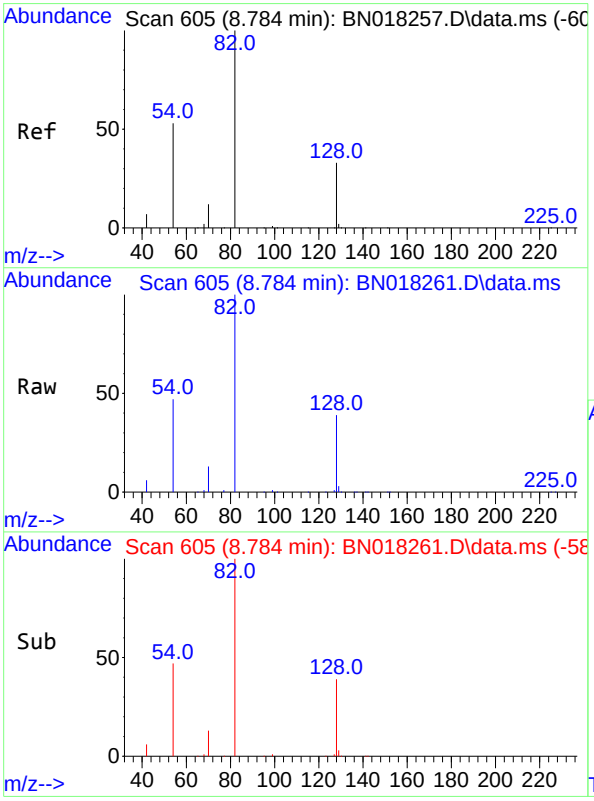
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 118172

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	5.3	5.0	7.6
68	4.8	4.4	6.6

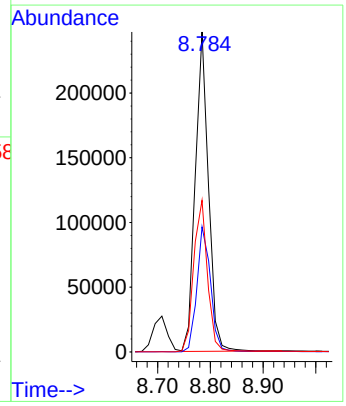


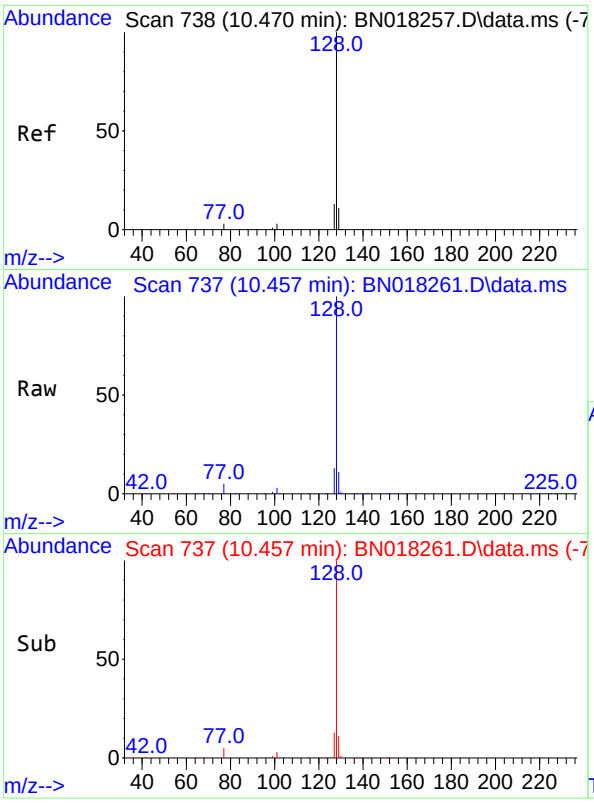


#8
Nitrobenzene-d5
Concen: 5.379 ng
RT: 8.784 min Scan# 605
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion: 82 Resp: 427832

Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.7	50.5
54	47.4	36.6	55.0



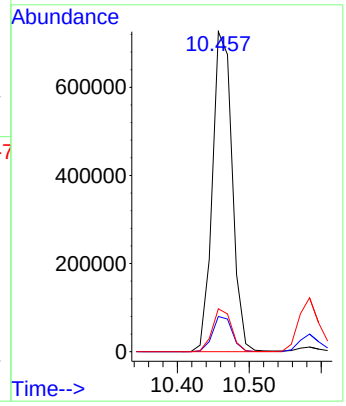


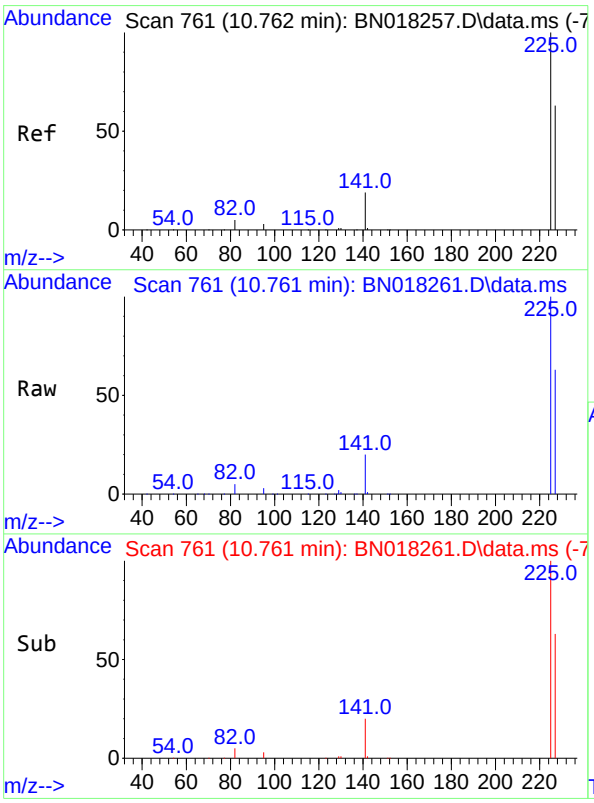
#9
Naphthalene
Concen: 4.756 ng
RT: 10.457 min Scan# 7
Delta R.T. -0.013 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 1387458

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.4	10.4	15.6

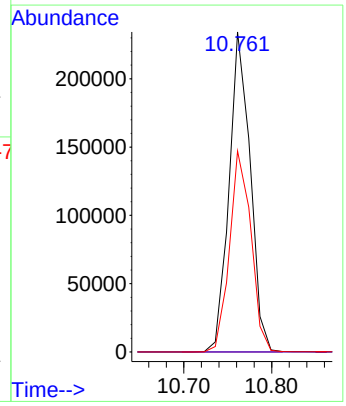


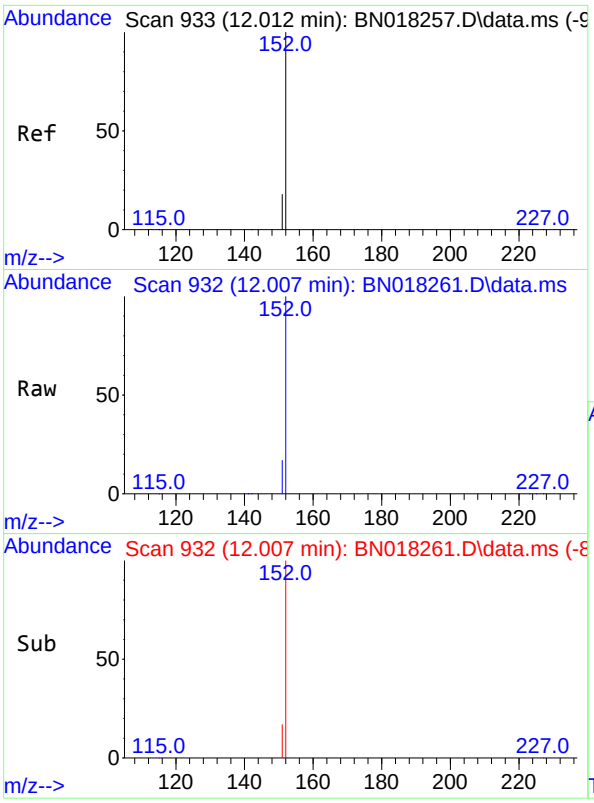


#10
Hexachlorobutadiene
Concen: 5.030 ng
RT: 10.761 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:225 Resp: 390243

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.0	76.6



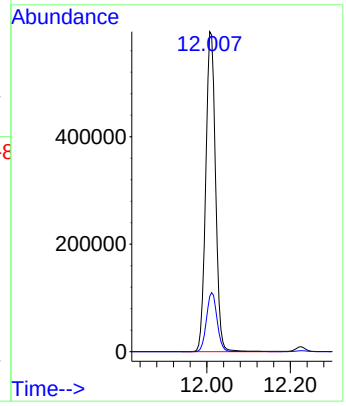


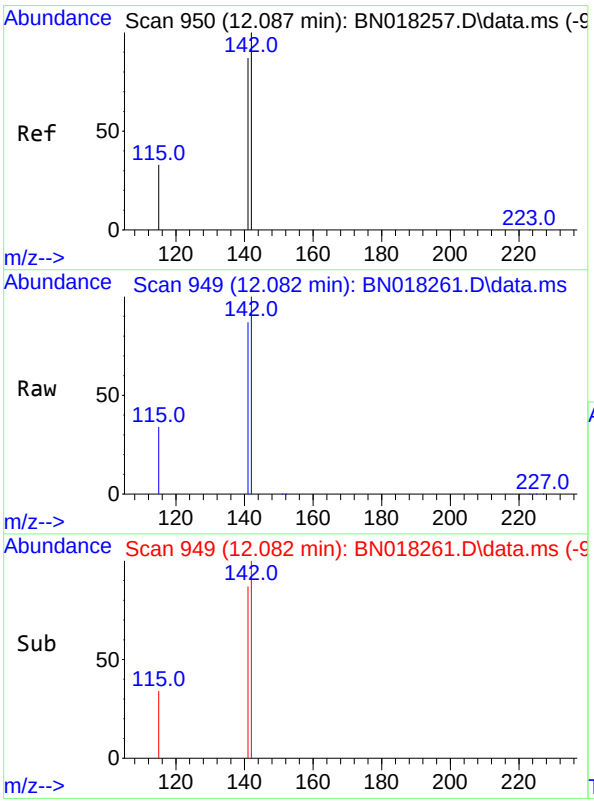
#11
2-Methylnaphthalene-d10
Concen: 4.762 ng
RT: 12.007 min Scan# 9
Delta R.T. -0.005 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 967075

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2

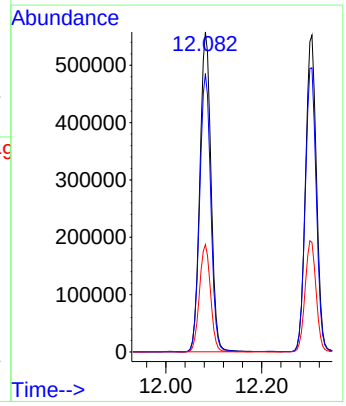


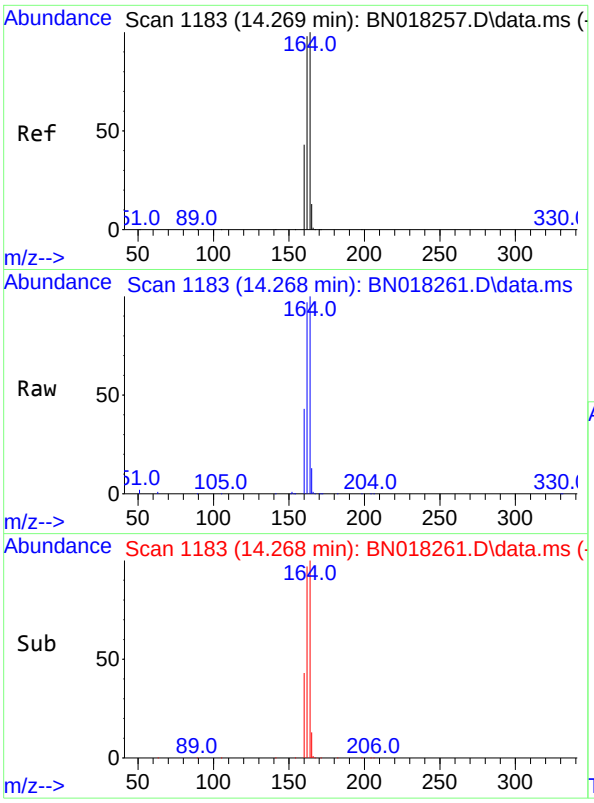


#12
2-Methylnaphthalene
Concen: 4.643 ng
RT: 12.082 min Scan# 949
Delta R.T. -0.005 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:142 Resp: 894654

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.0	105.0
115	33.6	27.8	41.8



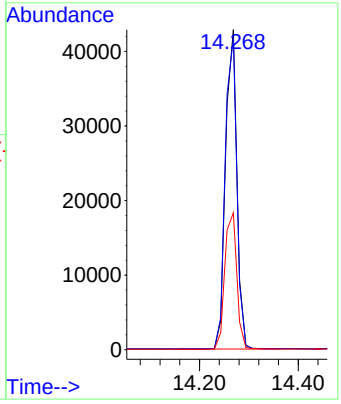


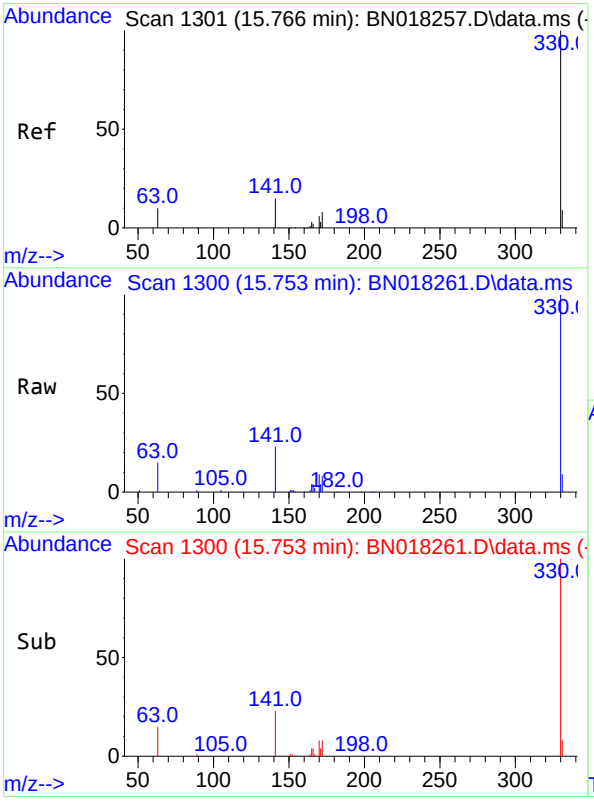
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.268 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 68194

Ion	Ratio	Lower	Upper
164	100		
162	97.3	80.2	120.2
160	42.8	36.9	55.3

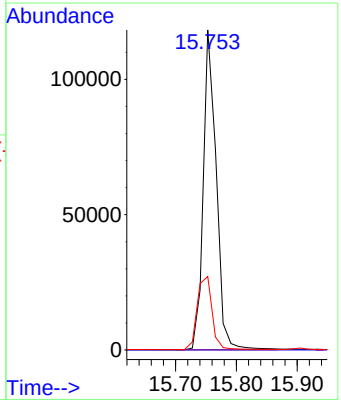


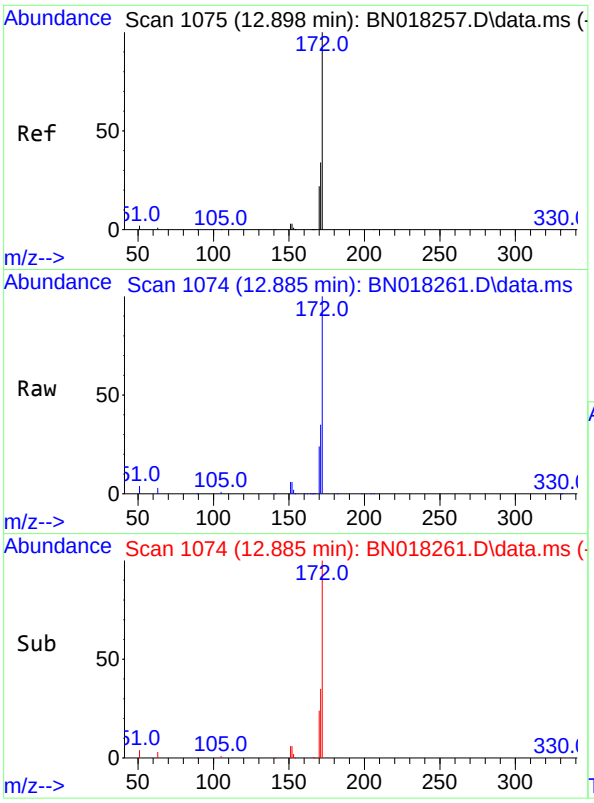


#14
2,4,6-Tribromophenol
Concen: 5.298 ng
RT: 15.753 min Scan# 1300
Delta R.T. -0.013 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:330 Resp: 175959

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	26.4	21.3	31.9



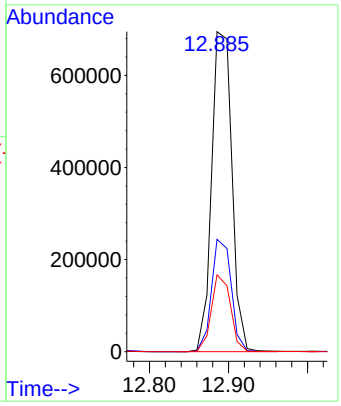


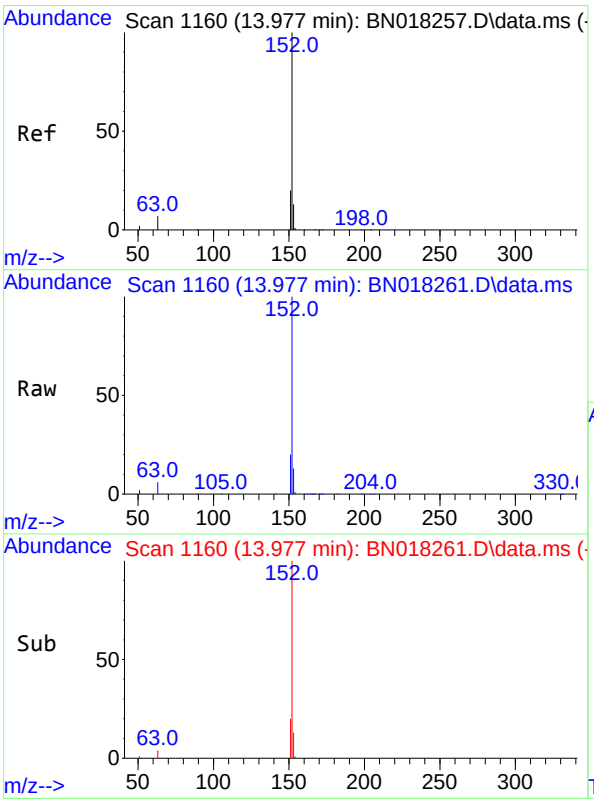
#15
2-Fluorobiphenyl
Concen: 4.880 ng
RT: 12.885 min Scan# 1(
Delta R.T. -0.013 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 1244049

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.0
170	24.0	18.4	27.6

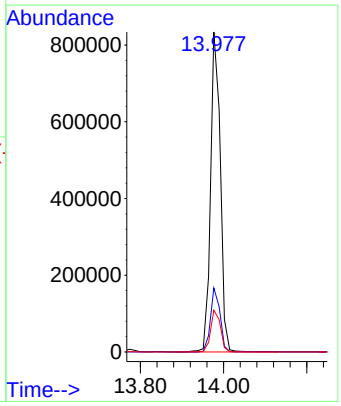


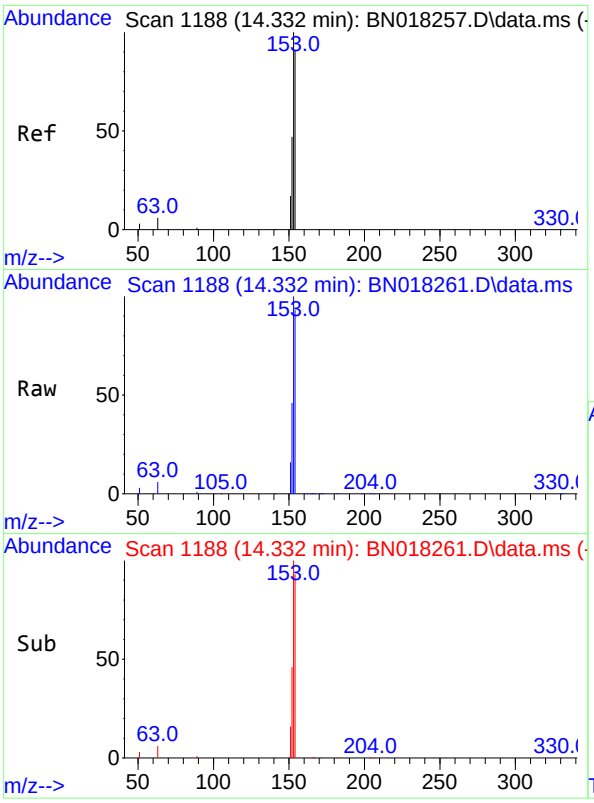


#16
Acenaphthylene
Concen: 5.336 ng
RT: 13.977 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:152 Resp: 1351956

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.1	10.5	15.7



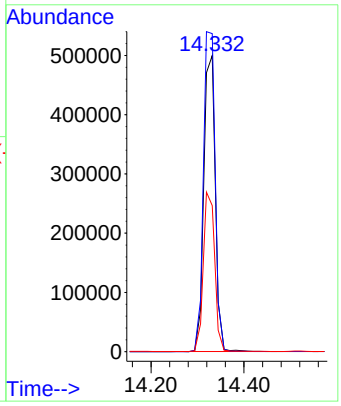


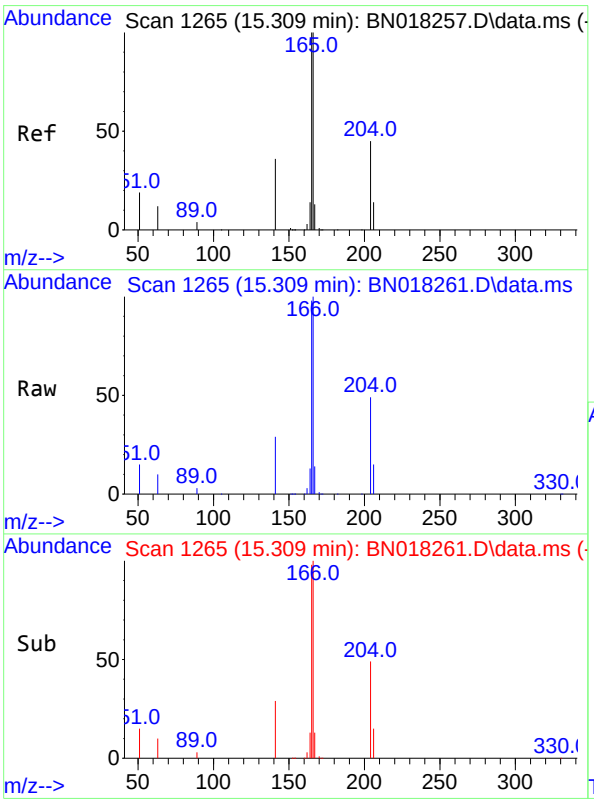
#17
Acenaphthene
Concen: 4.891 ng
RT: 14.332 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 864290

Ion	Ratio	Lower	Upper
154	100		
153	110.8	90.9	136.3
152	53.2	45.0	67.4

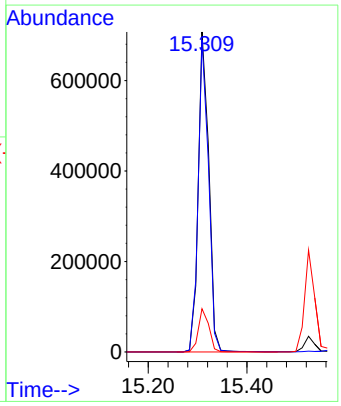


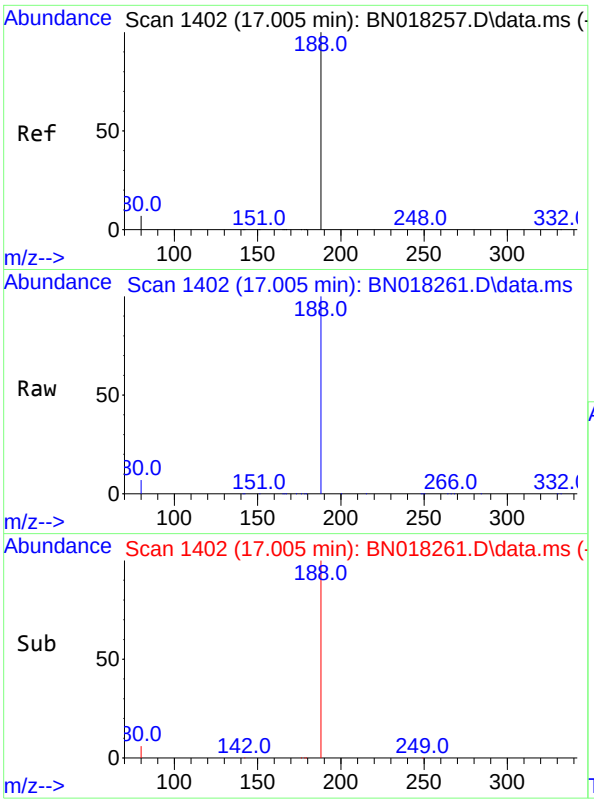


#18
Fluorene
Concen: 4.832 ng
RT: 15.309 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:166 Resp: 1049468

Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.8	116.6
167	13.5	10.9	16.3



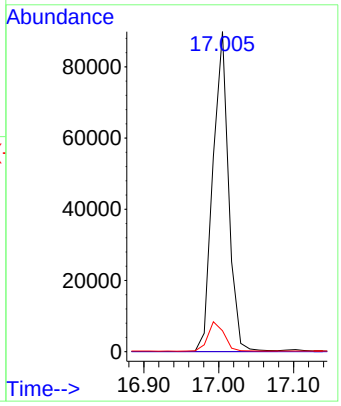


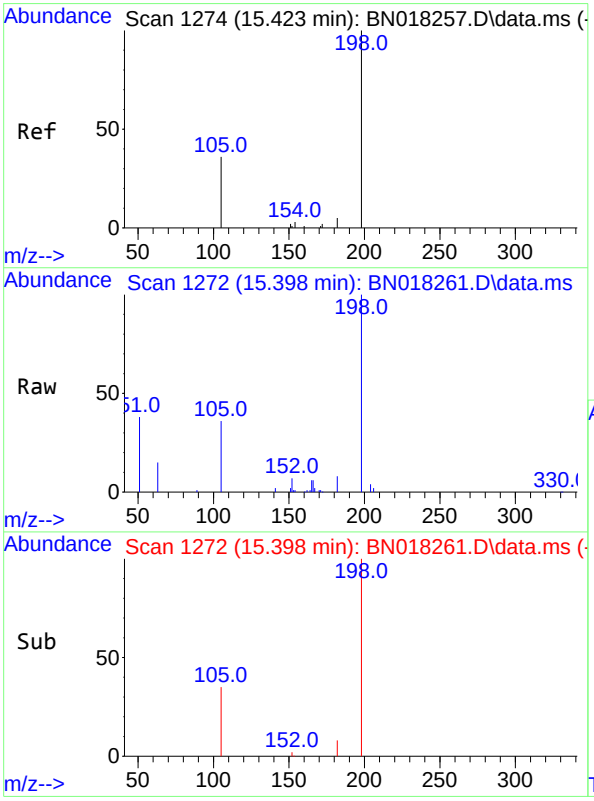
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.005 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 130673

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	7.0	10.4#

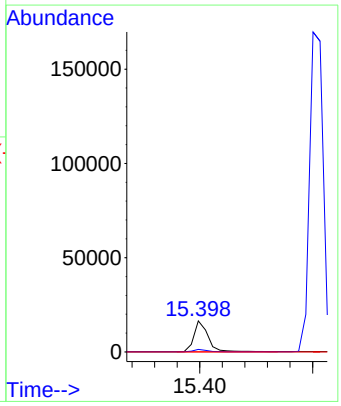


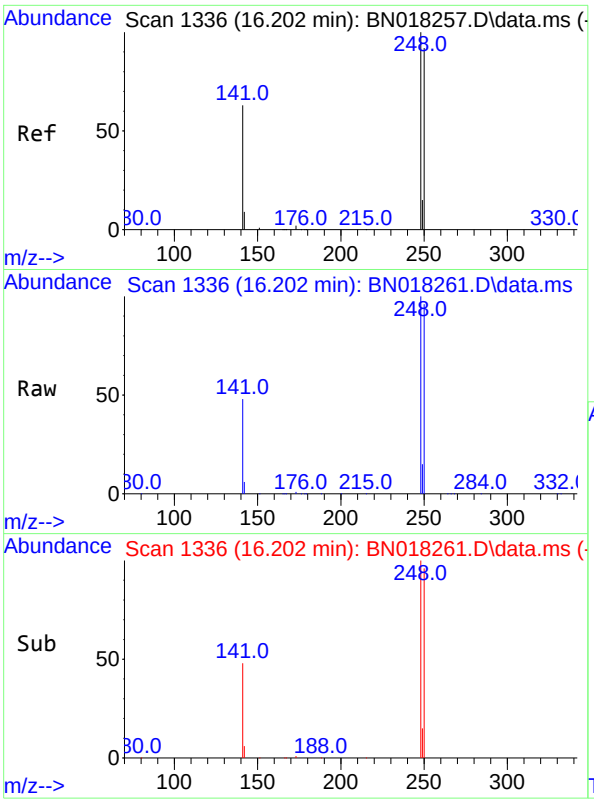


#20
4,6-Dinitro-2-methylphenol
Concen: 6.101 ng
RT: 15.398 min Scan# 1272
Delta R.T. -0.026 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:198 Resp: 28349

Ion	Ratio	Lower	Upper
198	100		
182	8.1	15.5	23.3#
77	0.0	0.0	0.0



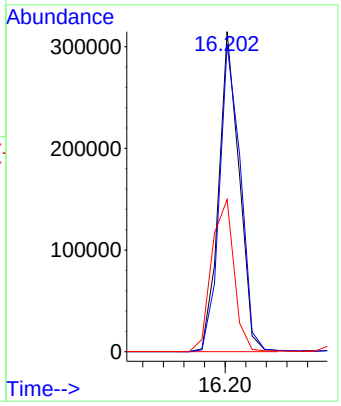


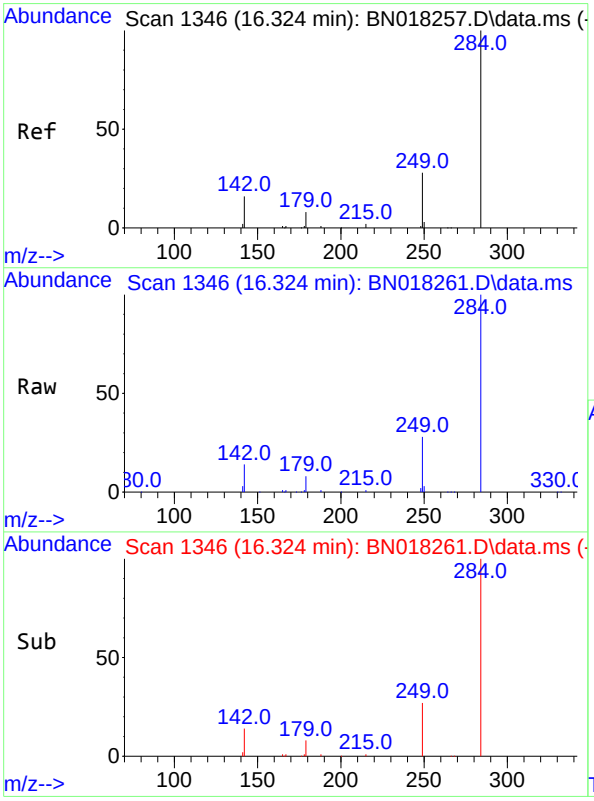
#21
4-Bromophenyl-phenylether
Concen: 5.428 ng
RT: 16.202 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 434047

Ion	Ratio	Lower	Upper
248	100		
250	96.0	74.4	111.6
141	47.6	43.7	65.5

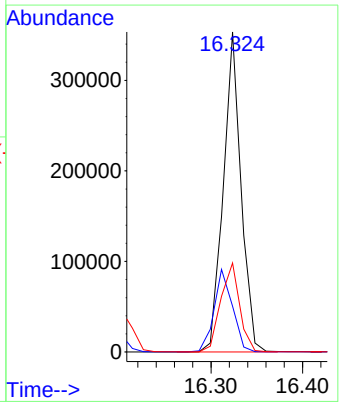


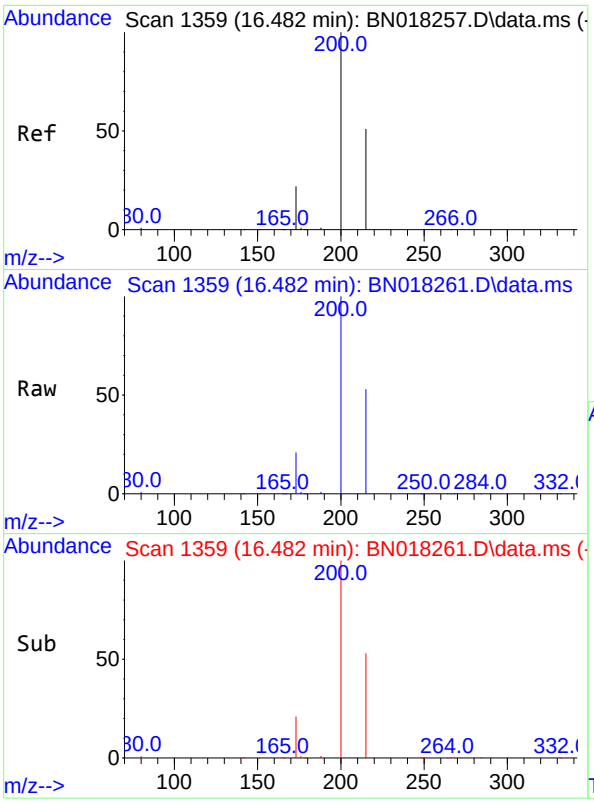


#22
Hexachlorobenzene
Concen: 5.028 ng
RT: 16.324 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:284 Resp: 476631

Ion	Ratio	Lower	Upper
284	100		
142	26.6	21.6	32.4
249	29.5	23.5	35.3



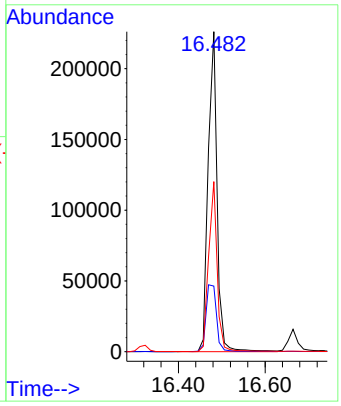


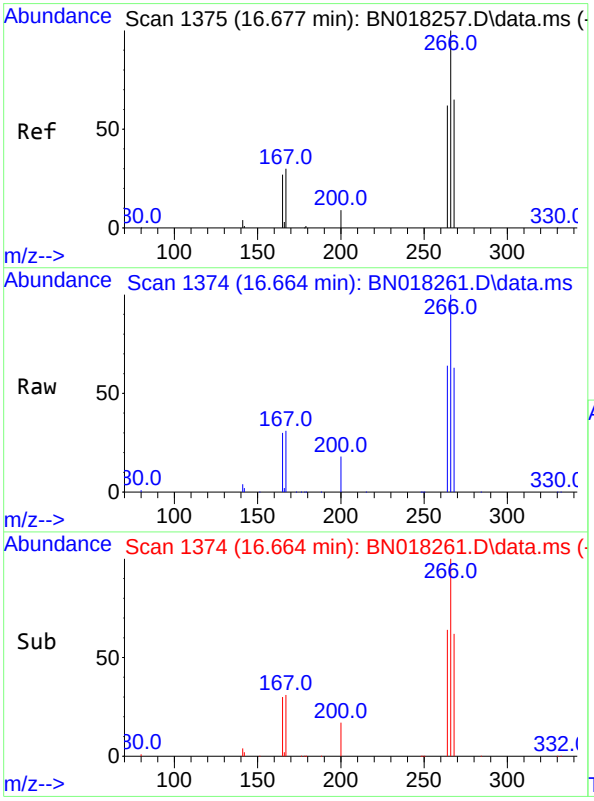
#23
Atrazine
Concen: 6.476 ng
RT: 16.482 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 321388

Ion	Ratio	Lower	Upper
200	100		
173	20.5	20.3	30.5
215	53.2	40.4	60.6

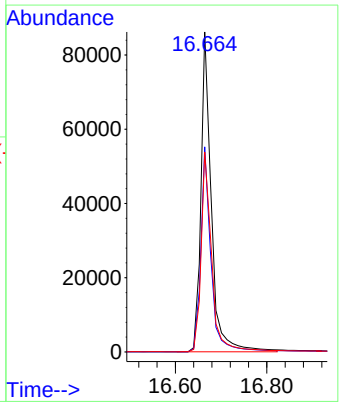


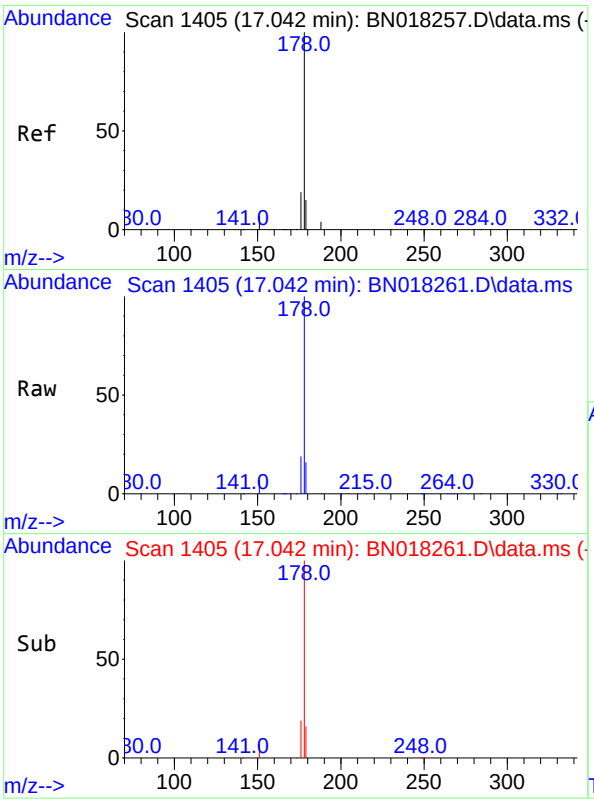


#24
Pentachlorophenol
Concen: 5.124 ng
RT: 16.664 min Scan# 1374
Delta R.T. -0.013 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:266 Resp: 136135

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.5	74.3
268	63.7	50.6	76.0



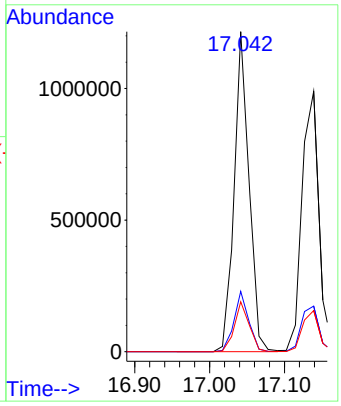


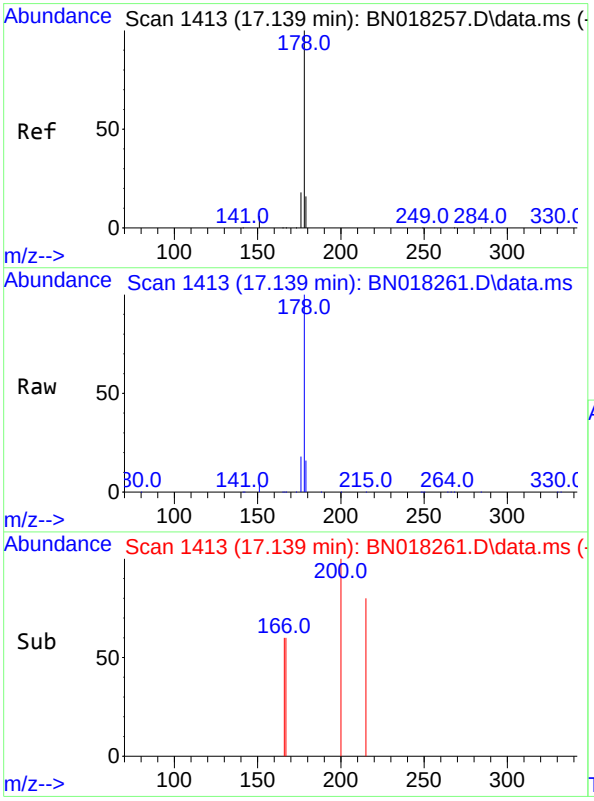
#25
Phenanthrene
Concen: 4.824 ng
RT: 17.042 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 1672983

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.6	12.3	18.5

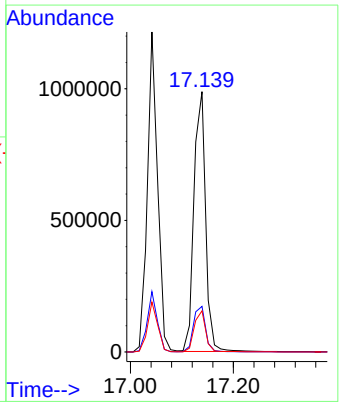


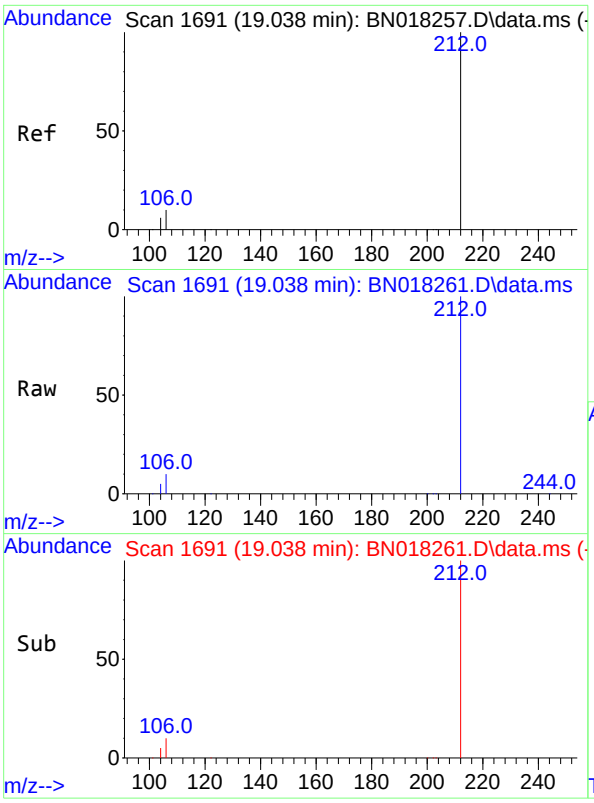


#26
Anthracene
Concen: 5.458 ng
RT: 17.139 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:178 Resp: 1559581

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.6	12.2	18.4



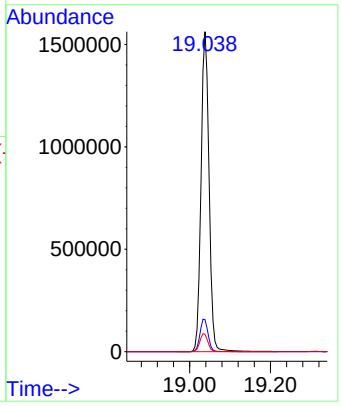


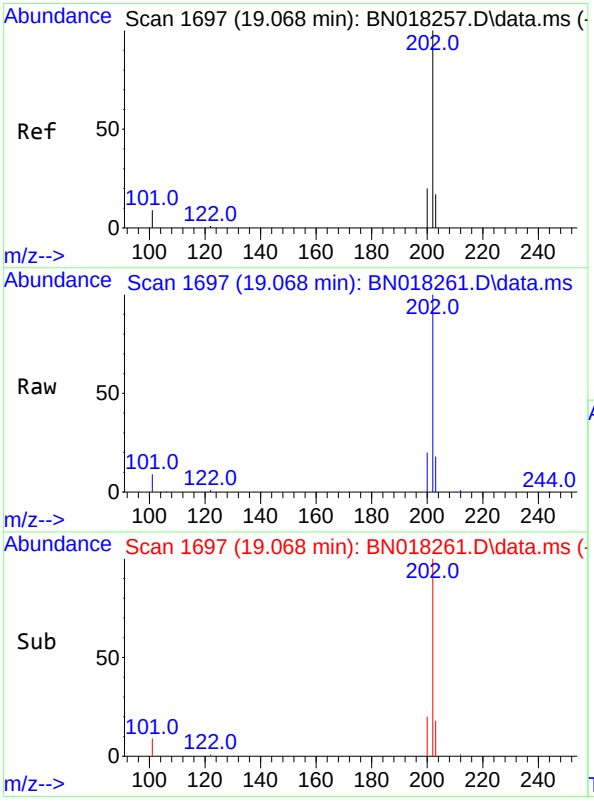
#27
Fluoranthene-d10
Concen: 5.191 ng
RT: 19.038 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 2148611

Ion	Ratio	Lower	Upper
212	100		
106	10.4	8.4	12.6
104	5.7	4.5	6.7

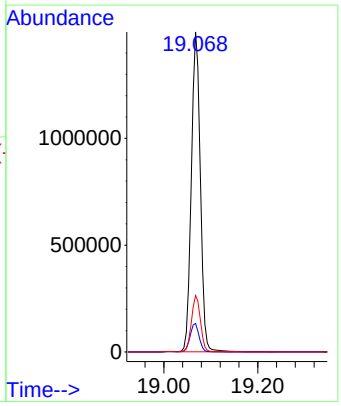


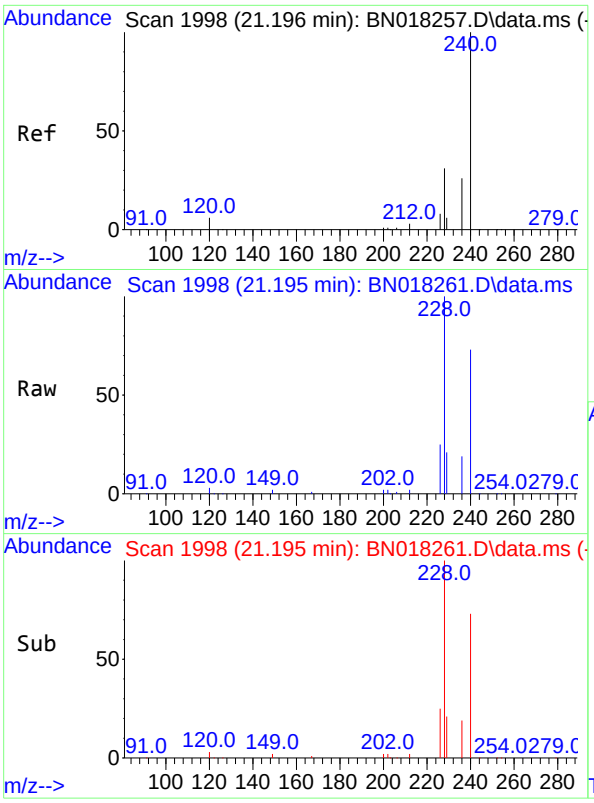


#28
Fluoranthene
Concen: 4.922 ng
RT: 19.068 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:202 Resp: 1992908

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.2	10.8
203	17.7	13.7	20.5



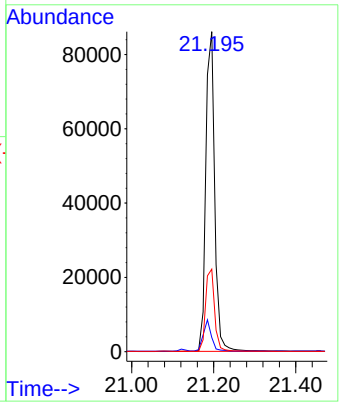


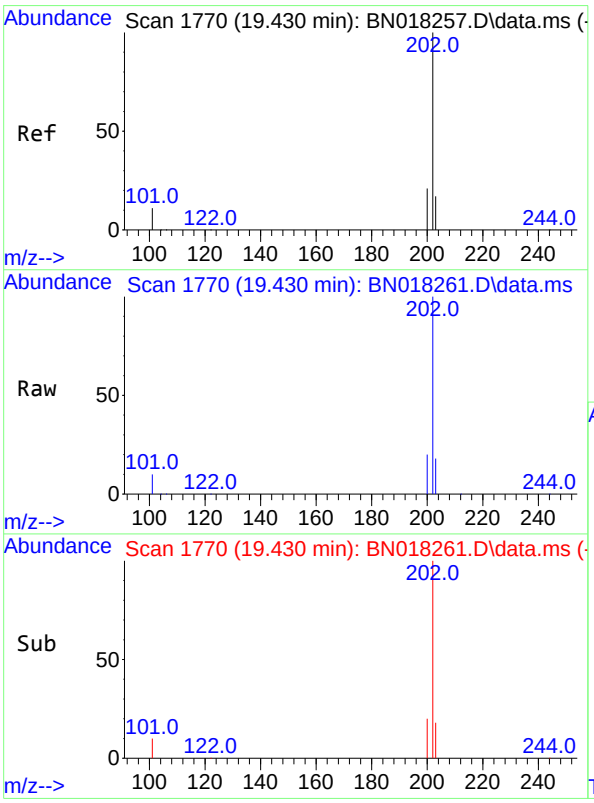
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 129999

Ion	Ratio	Lower	Upper
240	100		
120	4.4	6.0	9.0#
236	25.8	21.4	32.2

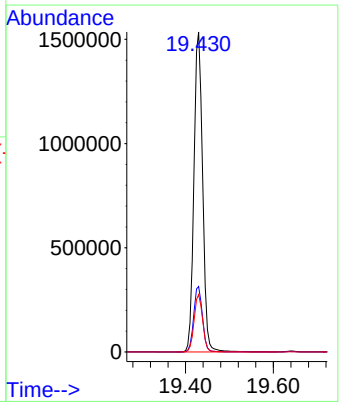


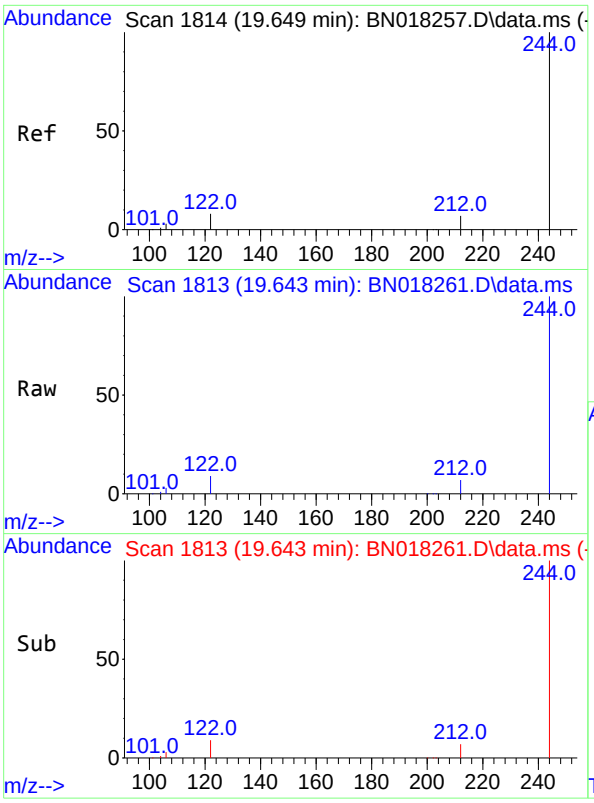


#30
Pyrene
Concen: 5.055 ng
RT: 19.430 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:202 Resp: 2109122

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.8	14.1	21.1



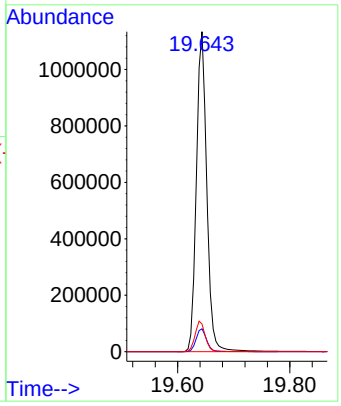


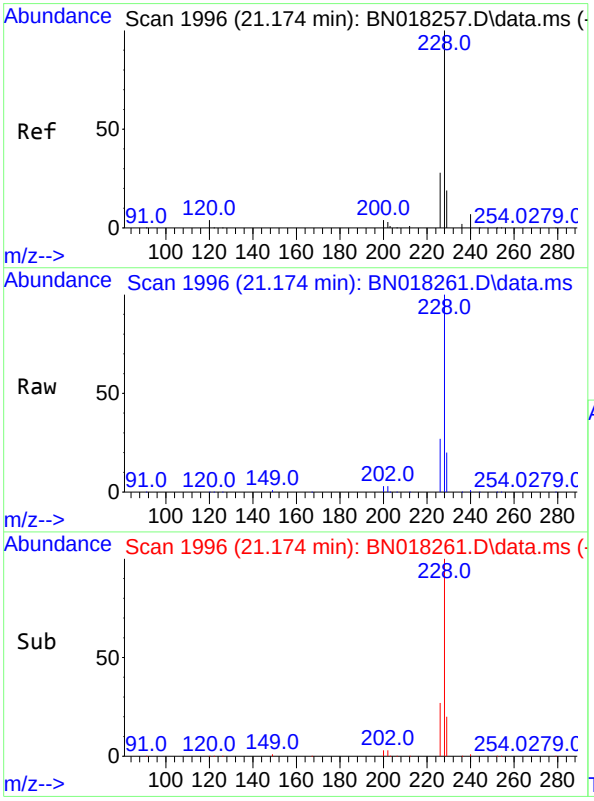
#31
Terphenyl-d14
Concen: 5.081 ng
RT: 19.643 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 1453739

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	8.6	7.9	11.9

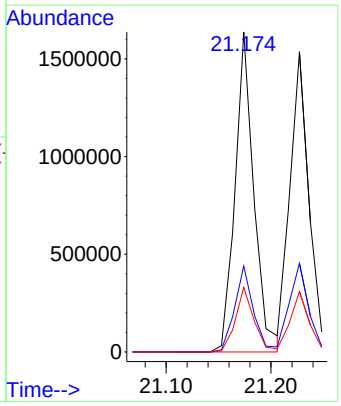


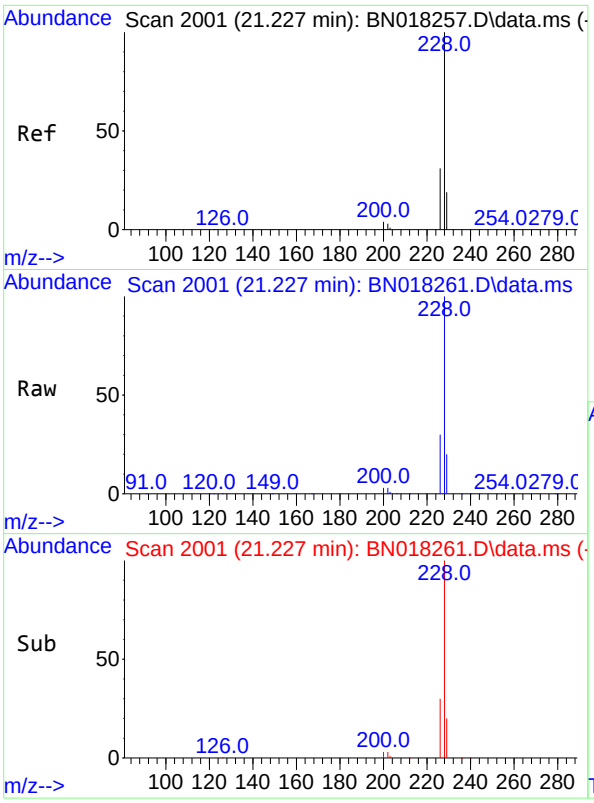


#32
Benzo(a)anthracene
Concen: 5.414 ng
RT: 21.174 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:228 Resp: 2044535

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.3	31.9
229	20.2	15.9	23.9



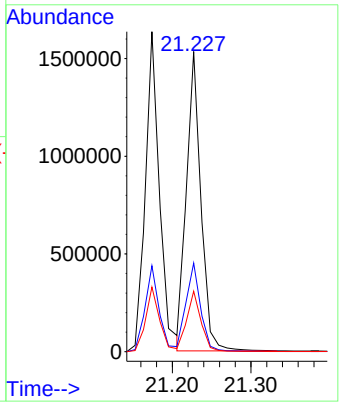


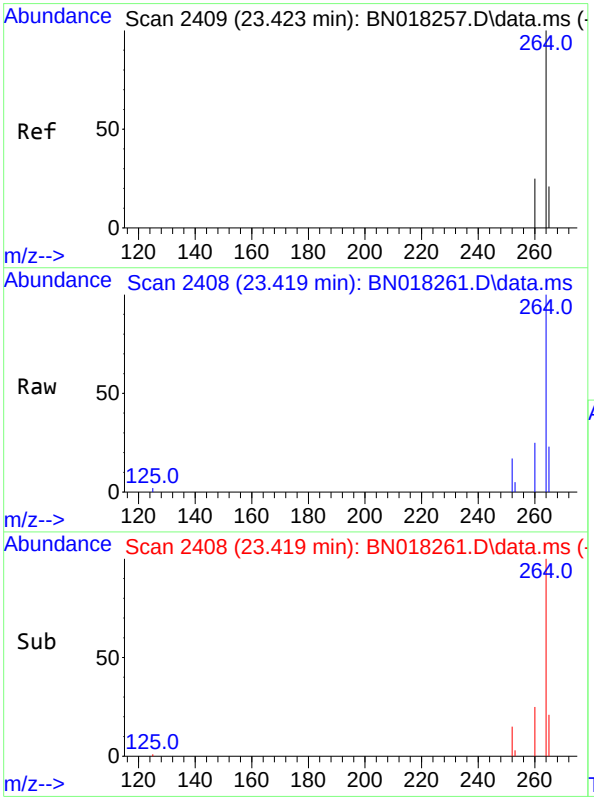
#33
Chrysene
Concen: 4.739 ng
RT: 21.227 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 1952577

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.2	36.4
229	20.1	15.5	23.3

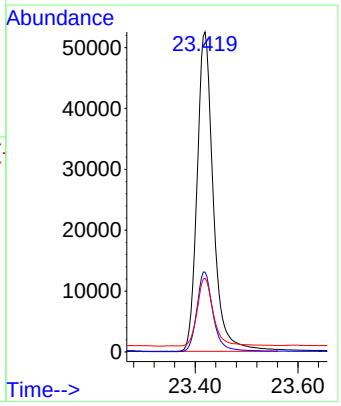


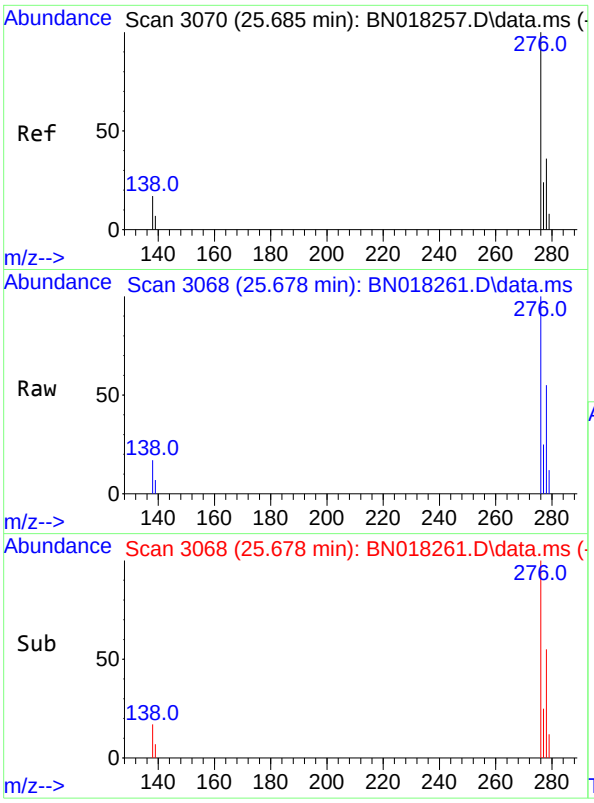


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.419 min Scan# 2408
Delta R.T. -0.004 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:264 Resp: 114965

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.4
265	23.1	18.2	27.2



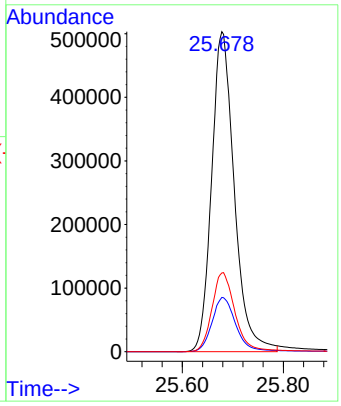


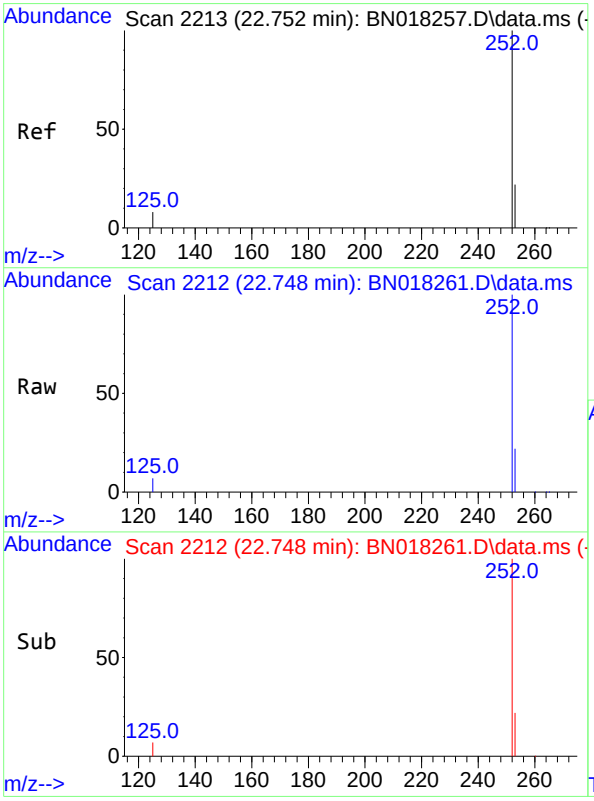
#36
Indeno(1,2,3-cd)pyrene
Concen: 4.714 ng
RT: 25.678 min Scan# 3
Delta R.T. -0.007 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 1568479

Ion	Ratio	Lower	Upper
276	100		
138	17.6	14.9	22.3
277	25.0	19.9	29.9

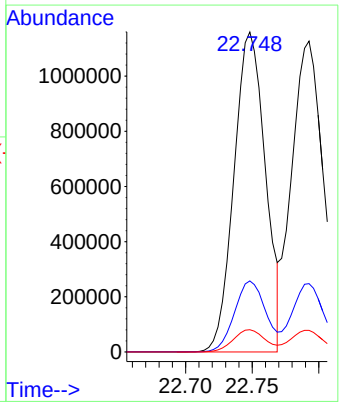


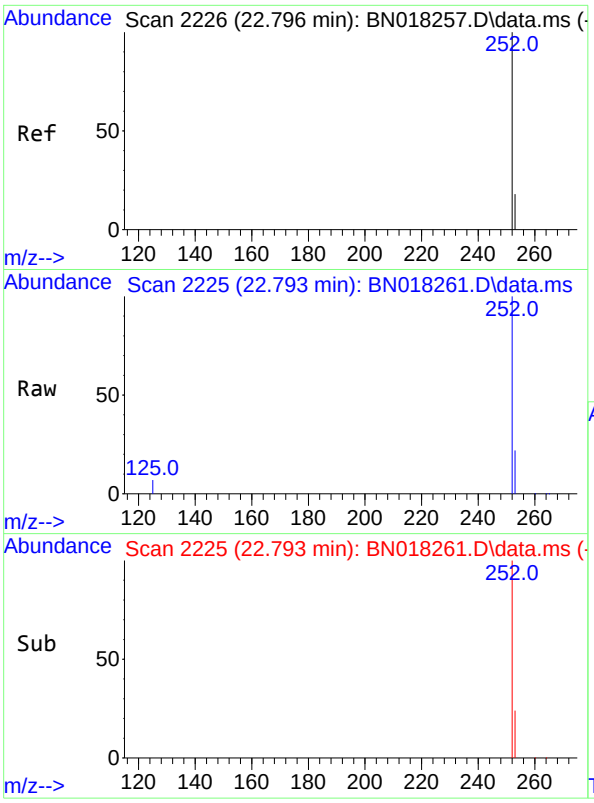


#37
Benzo(b)fluoranthene
Concen: 5.346 ng
RT: 22.748 min Scan# 2212
Delta R.T. -0.004 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:252 Resp: 1900815

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	6.9	6.0	9.0



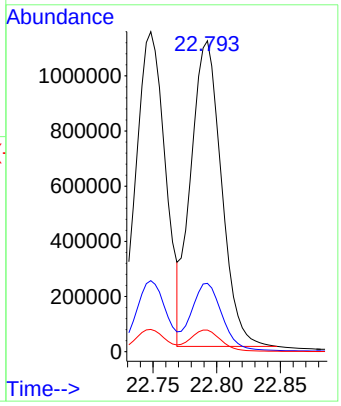


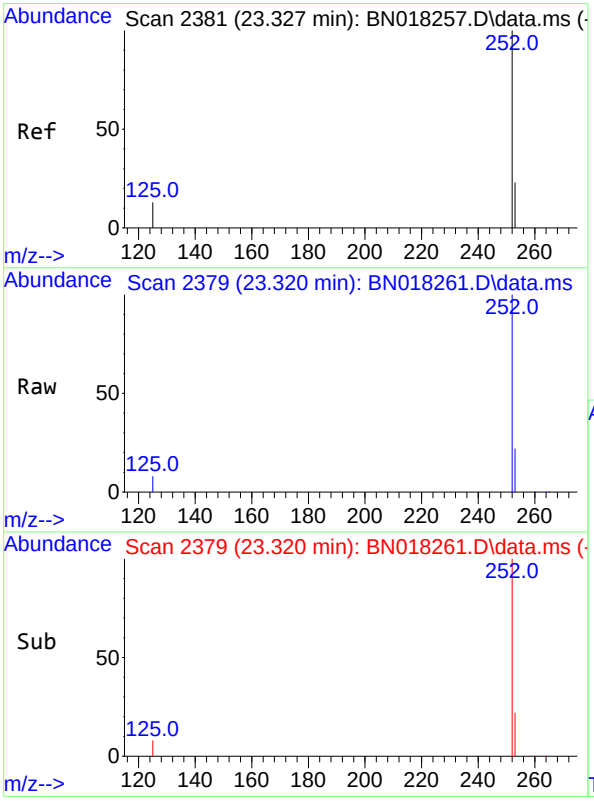
#38
Benzo(k)fluoranthene
Concen: 5.170 ng
RT: 22.793 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 1852375

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	6.9	6.2	9.2

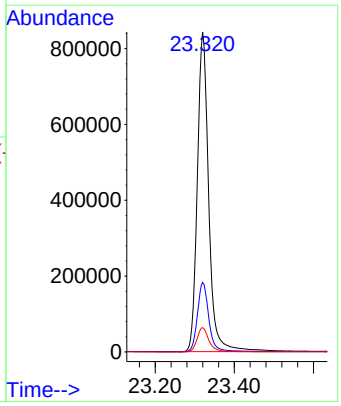


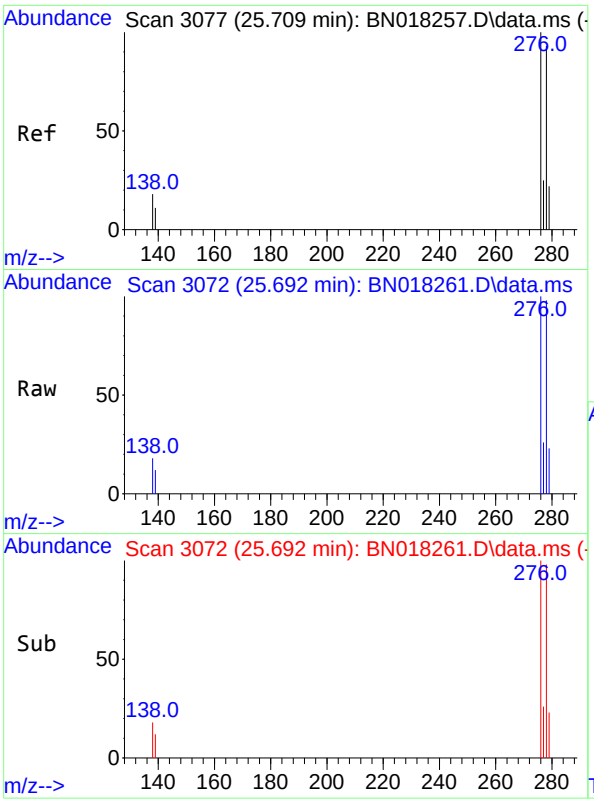


#39
Benzo(a)pyrene
Concen: 5.262 ng
RT: 23.320 min Scan# 2379
Delta R.T. -0.007 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:252 Resp: 1681717

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	7.6	7.0	10.4



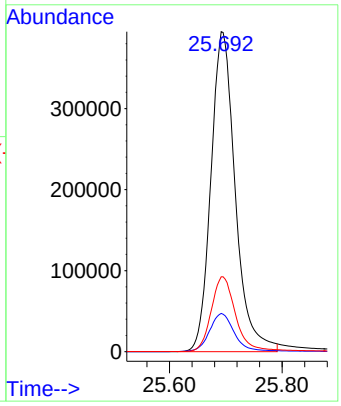


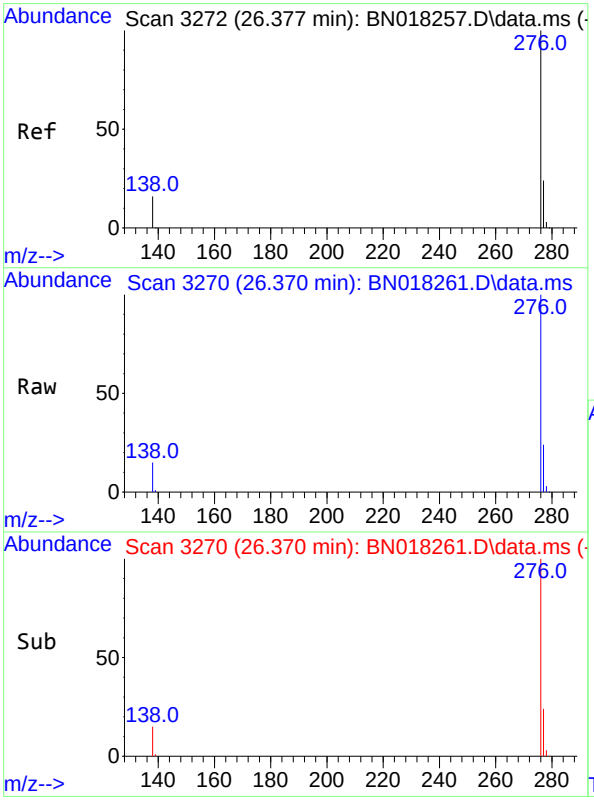
#40
Dibenzo(a,h)anthracene
Concen: 4.846 ng
RT: 25.692 min Scan# 3
Delta R.T. -0.017 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 1184005

Ion	Ratio	Lower	Upper
278	100		
139	12.0	10.8	16.2
279	23.4	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 4.639 ng
RT: 26.370 min Scan# 3270
Delta R.T. -0.007 min
Lab File: BN018261.D
Acq: 29 Dec 2021 14:24

Tgt Ion:276 Resp: 1422049

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	15.3	12.6	19.0