Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101221\
Data File : BN016890.D
Acq On : 11 Oct 2021 20:21
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Oct 12 02:17:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN101221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 12 02:08:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.689	152	19479	0.40	ng	0.00
7) Naphthalene-d8	10.457	136	84825	0.40	ng	0.00
13) Acenaphthene-d10	14.294	164	45623	0.40	ng	0.00
19) Phenanthrene-d10	17.042	188	85456	0.40	ng	0.00
29) Chrysene-d12	21.227	240	87514	0.40	ng	#-0.01
35) Perylene-d12	23.478	264	87774	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	86223	1.77	ng	0.00
5) Phenol-d6	6.868	99	98101	1.77	ng	0.00
8) Nitrobenzene-d5	8.822	82	103223	1.74	ng	-0.01
11) 2-Methylnaphthalene-d10	12.043	152	212583	1.68	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	41961	1.78	ng	0.00
15) 2-Fluorobiphenyl	12.924	172	296049	1.61	ng	0.00
27) Fluoranthene-d10	19.073	212	400184	1.69	ng	0.00
31) Terphenyl-d14	19.679	244	351791	1.84	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	25408	2.91	ng	# 94
3) n-Nitrosodimethylamine	3.604	42	28458	1.86	ng	99
6) bis(2-Chloroethyl)ether	7.126	93	93436	1.74	ng	100
9) Naphthalene	10.495	128	383830	1.66	ng	100
10) Hexachlorobutadiene	10.787	225	73766	1.67	ng	# 100
12) 2-Methylnaphthalene	12.114	142	247481	1.67	ng	100
16) Acenaphthylene	14.015	152	353085	1.75	ng	100
17) Acenaphthene	14.358	154	222621	1.66	ng	99
18) Fluorene	15.347	166	272330	1.67	ng	100
20) 4,6-Dinitro-2-methylph...	15.436	198	26833	1.87	ng	# 88
21) 4-Bromophenyl-phenylether	16.239	248	90621	1.70	ng	96
22) Hexachlorobenzene	16.348	284	99776	1.64	ng	99
23) Atrazine	16.519	200	70910	1.68	ng	99
24) Pentachlorophenol	16.689	266	44536	2.23	ng	100
25) Phenanthrene	17.078	178	423550	1.67	ng	100
26) Anthracene	17.164	178	393725	1.75	ng	100
28) Fluoranthene	19.103	202	477505	1.68	ng	100
30) Pyrene	19.465	202	487057	1.81	ng	100
32) Benzo(a)anthracene	21.217	228	492865	1.82	ng	100
33) Chrysene	21.270	228	488553	1.77	ng	99
34) Bis(2-ethylhexyl)phtha...	21.164	149	278256	2.02	ng	99
36) Indeno(1,2,3-cd)pyrene	25.747	276	603545	1.82	ng	99
37) Benzo(b)fluoranthene	22.800	252	522199	1.88	ng	99
38) Benzo(k)fluoranthene	22.844	252	500250	1.85	ng	99
39) Benzo(a)pyrene	23.378	252	472551	1.86	ng	99
40) Dibenzo(a,h)anthracene	25.771	278	493125	1.81	ng	99
41) Benzo(g,h,i)perylene	26.442	276	516936	1.79	ng	100

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

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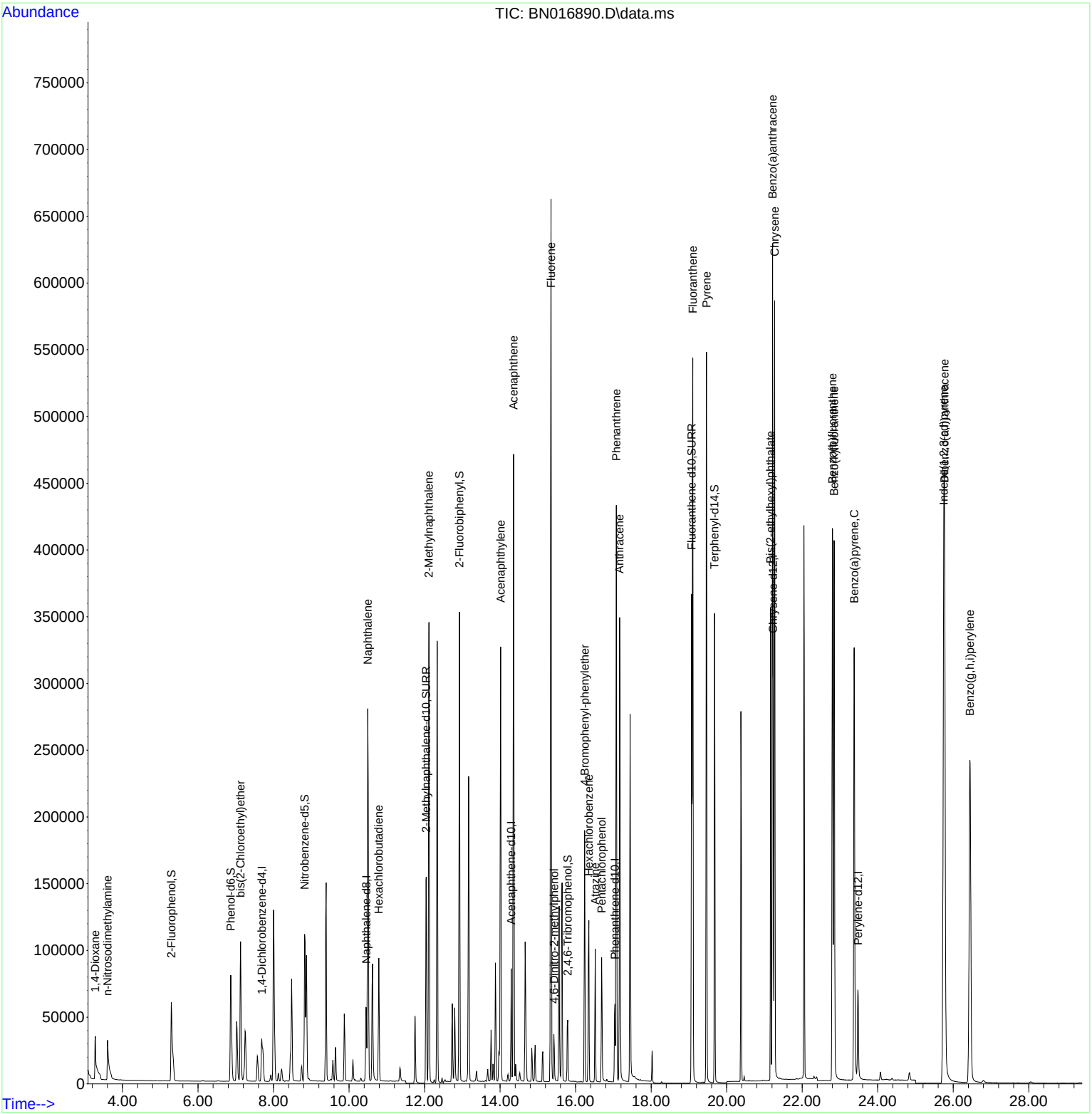
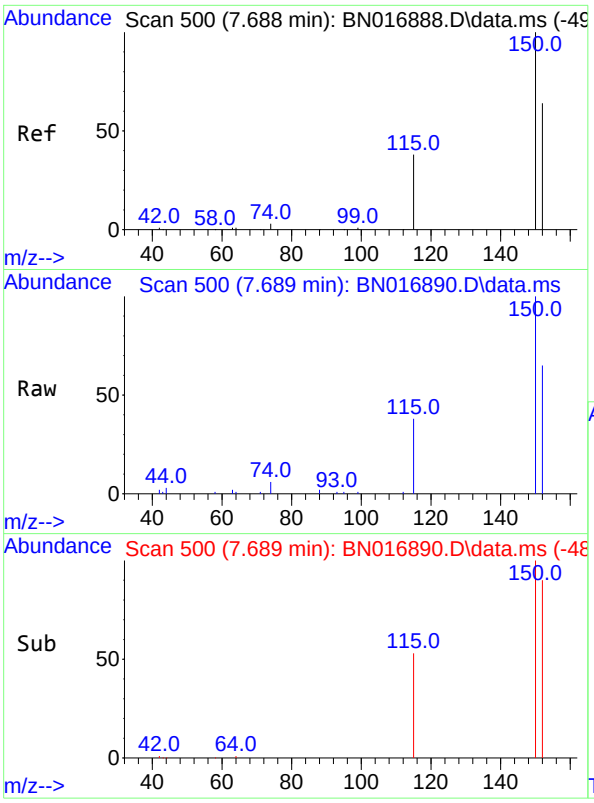
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101221\
Data File : BN016890.D
Acq On : 11 Oct 2021 20:21
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Oct 12 02:17:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN101221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 12 02:08:51 2021
Response via : Initial Calibration



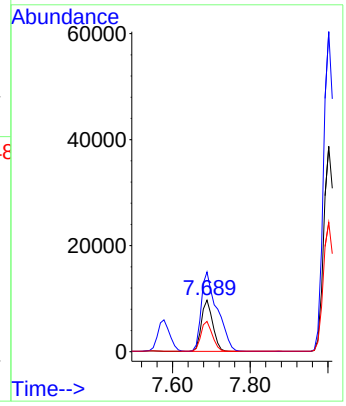


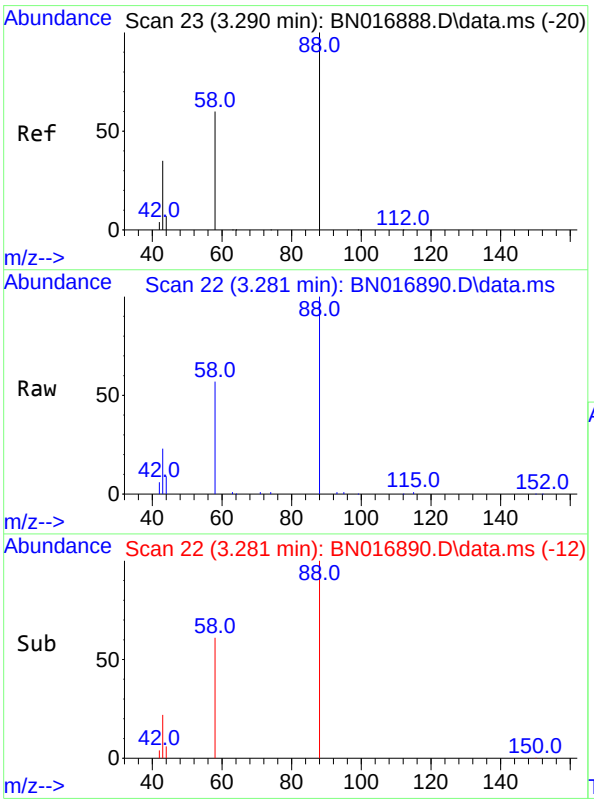
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.689 min Scan# 5
Delta R.T. 0.001 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 19479

Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.2	186.4
115	58.7	47.0	70.6

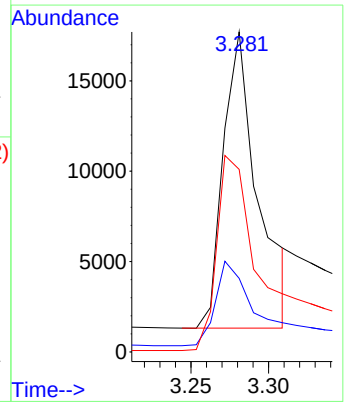


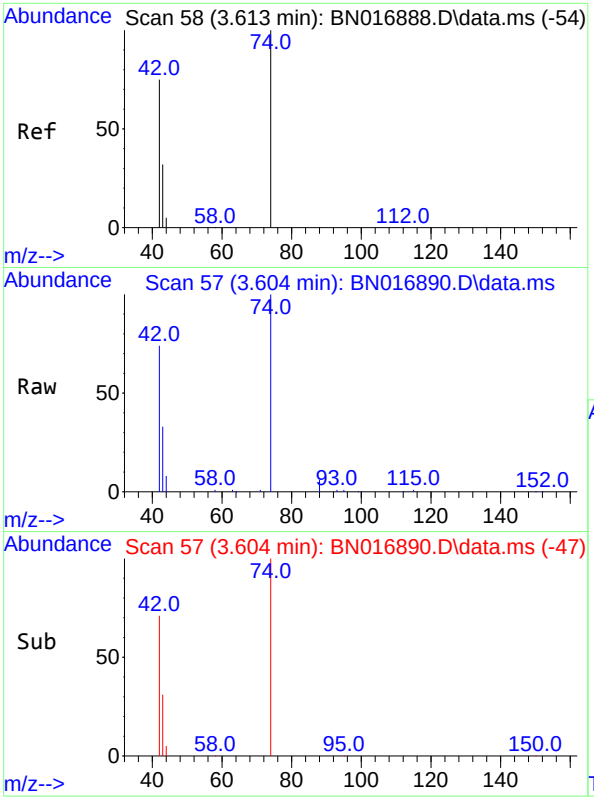


#2
1,4-Dioxane
Concen: 2.91 ng
RT: 3.281 min Scan# 22
Delta R.T. -0.009 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion: 88 Resp: 25408

Ion	Ratio	Lower	Upper
88	100		
43	31.2	32.0	48.0#
58	74.4	60.6	90.8



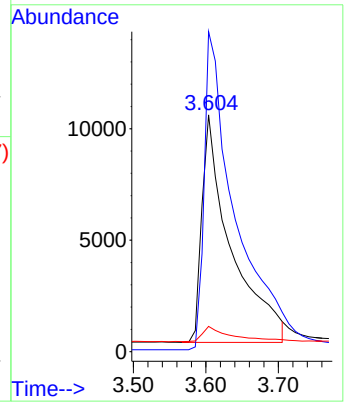


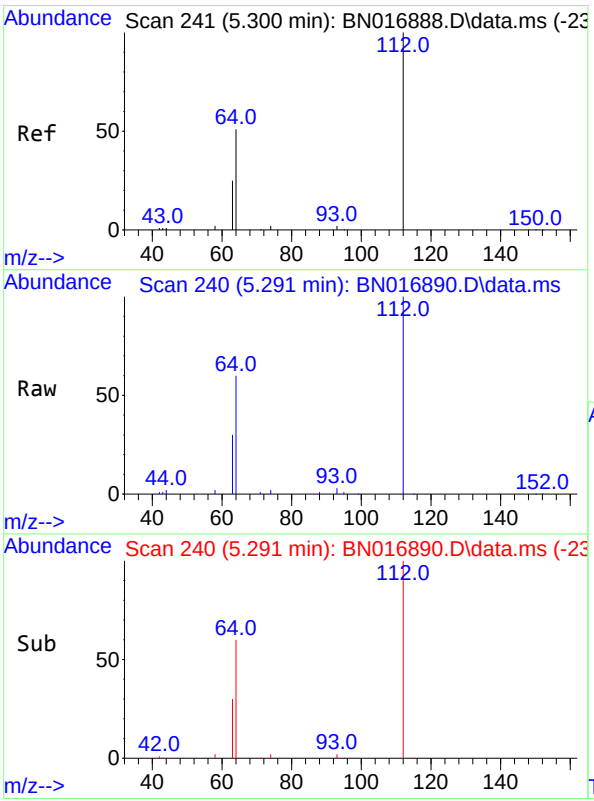
#3
n-Nitrosodimethylamine
Concen: 1.86 ng
RT: 3.604 min Scan# 5
Delta R.T. -0.009 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 28458

Ion	Ratio	Lower	Upper
42	100		
74	147.6	117.2	175.8
44	6.7	5.4	8.0

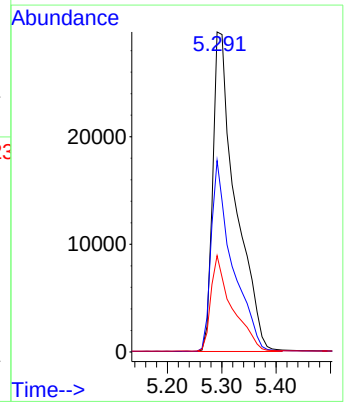


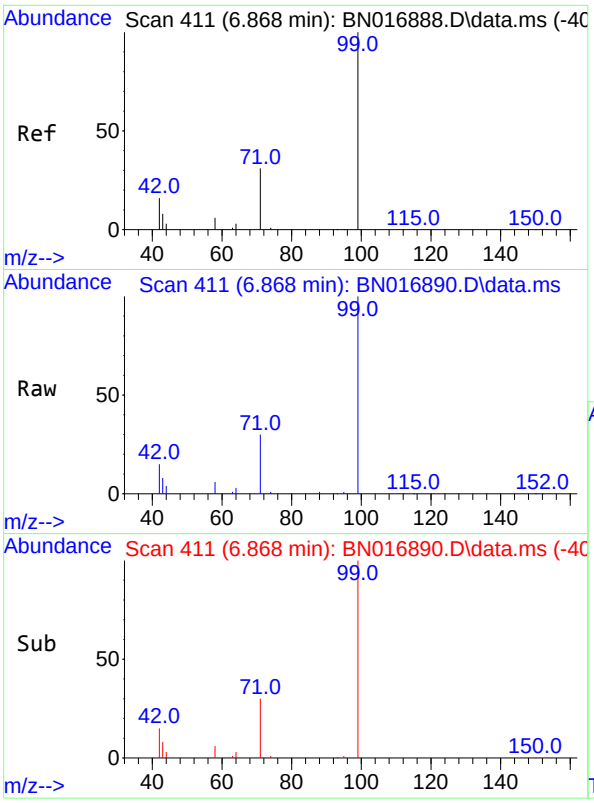


#4
2-Fluorophenol
Concen: 1.77 ng
RT: 5.291 min Scan# 240
Delta R.T. -0.009 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:112 Resp: 86223

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.5	66.7
63	27.8	22.1	33.1



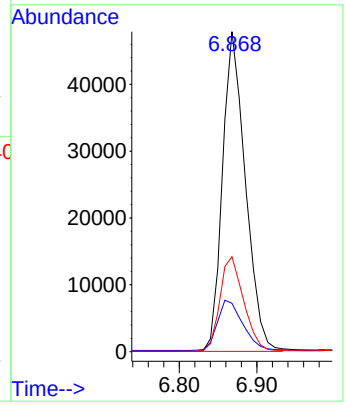


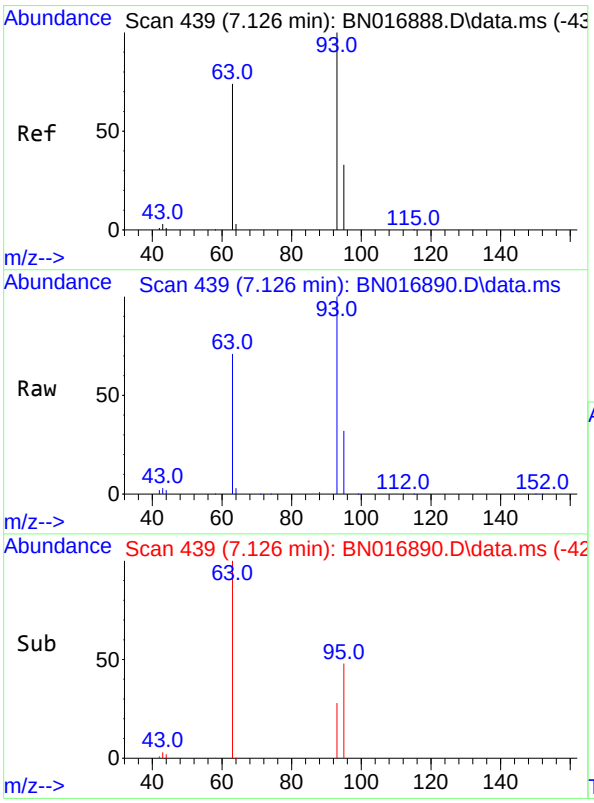
#5
Phenol-d6
Concen: 1.77 ng
RT: 6.868 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 98101

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.9	20.9
71	30.6	24.5	36.7

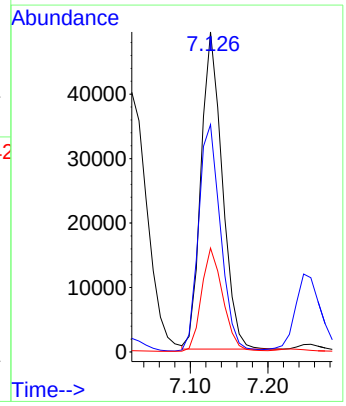


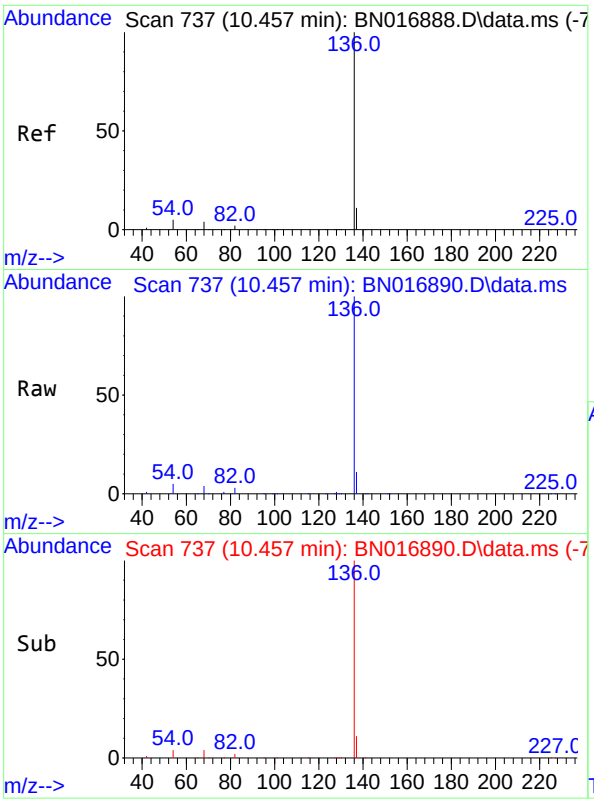


#6
bis(2-Chloroethyl)ether
Concen: 1.74 ng
RT: 7.126 min Scan# 439
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion: 93 Resp: 93436

Ion	Ratio	Lower	Upper
93	100		
63	74.3	59.8	89.6
95	32.7	26.4	39.6



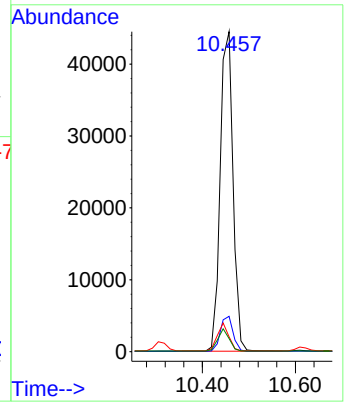


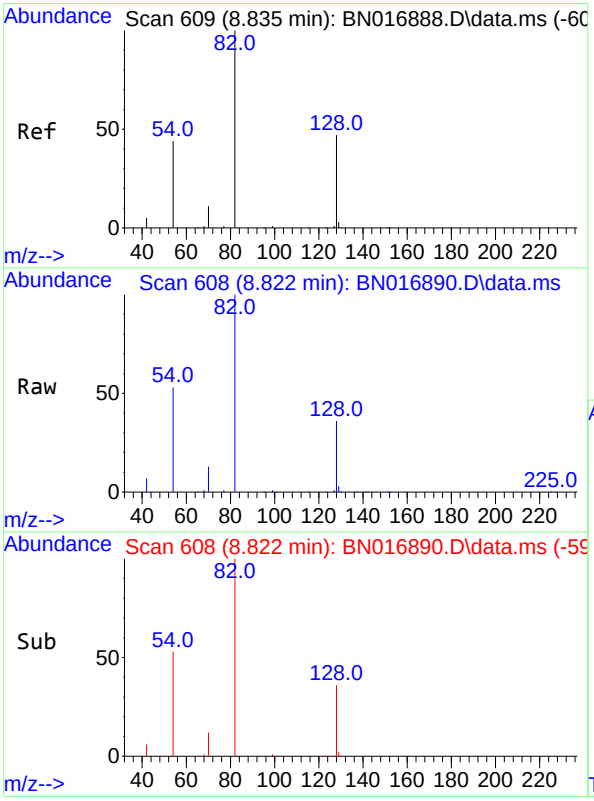
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 84825

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	4.7	3.8	5.6
68	4.1	3.4	5.0

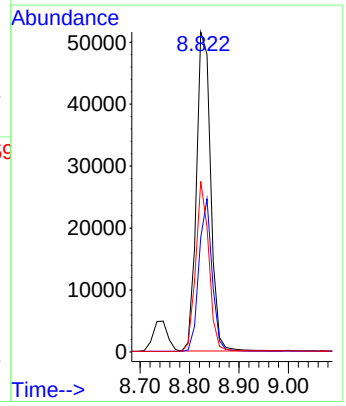


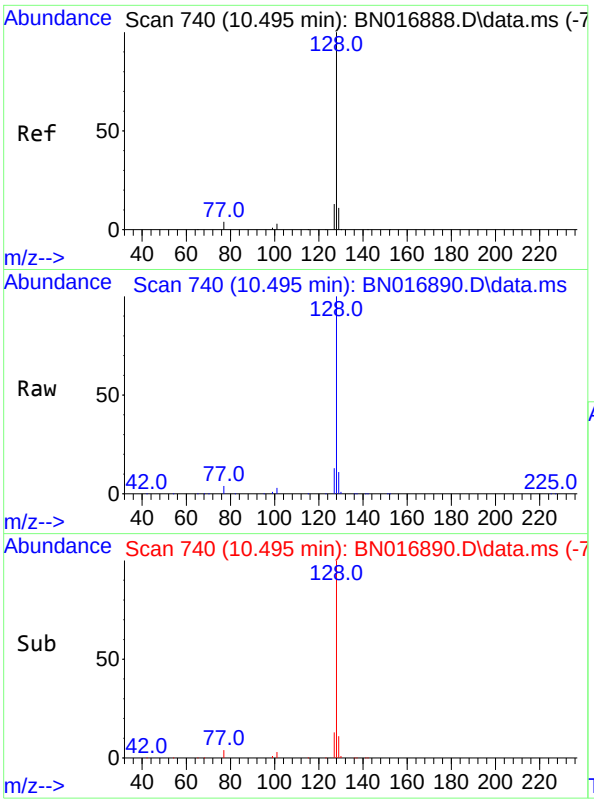


#8
Nitrobenzene-d5
Concen: 1.74 ng
RT: 8.822 min Scan# 608
Delta R.T. -0.013 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion: 82 Resp: 103223

Ion	Ratio	Lower	Upper
82	100		
128	35.8	37.8	56.6#
54	53.3	35.3	52.9#



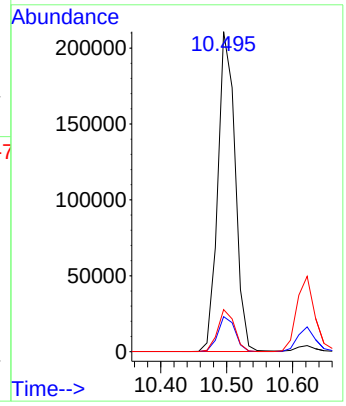


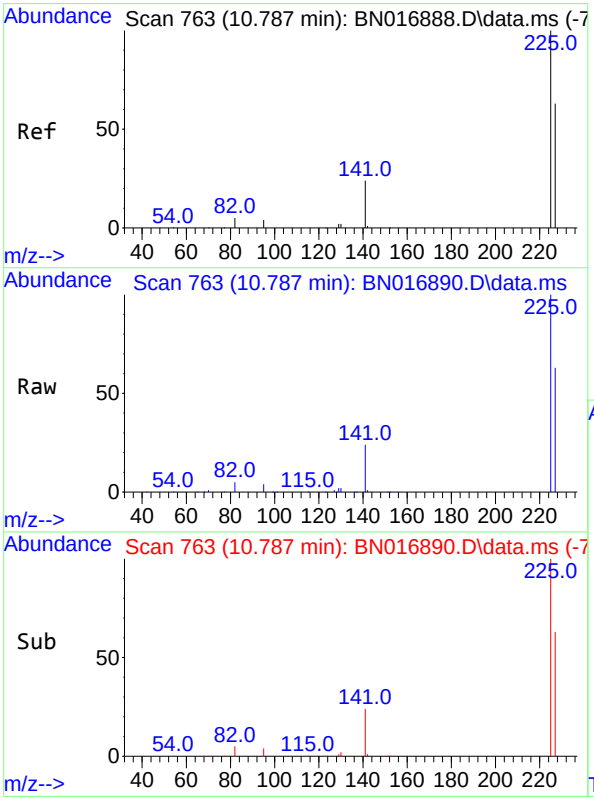
#9
Naphthalene
Concen: 1.66 ng
RT: 10.495 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 383830

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.7	16.1

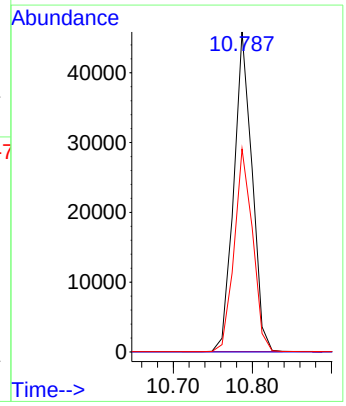


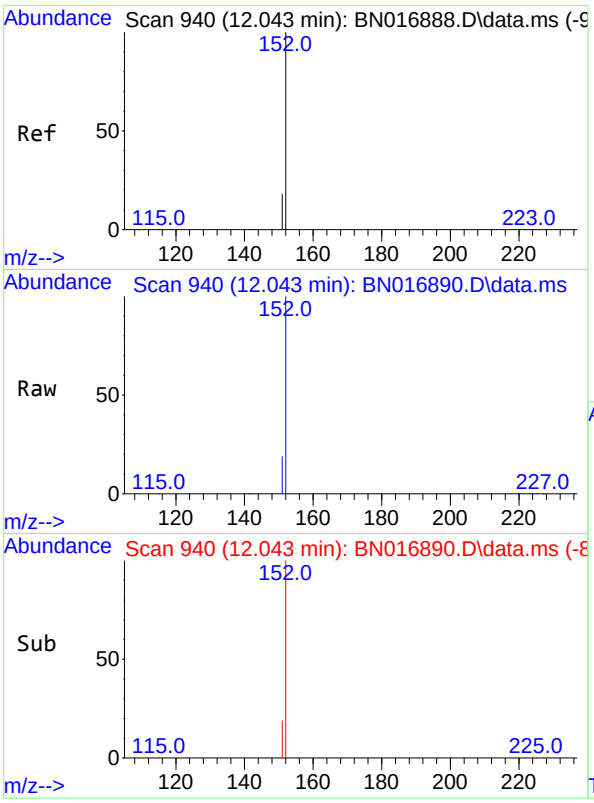


#10
Hexachlorobutadiene
Concen: 1.67 ng
RT: 10.787 min Scan# 763
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:225 Resp: 73766

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	50.9	76.3



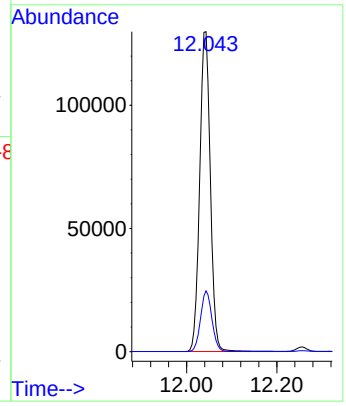


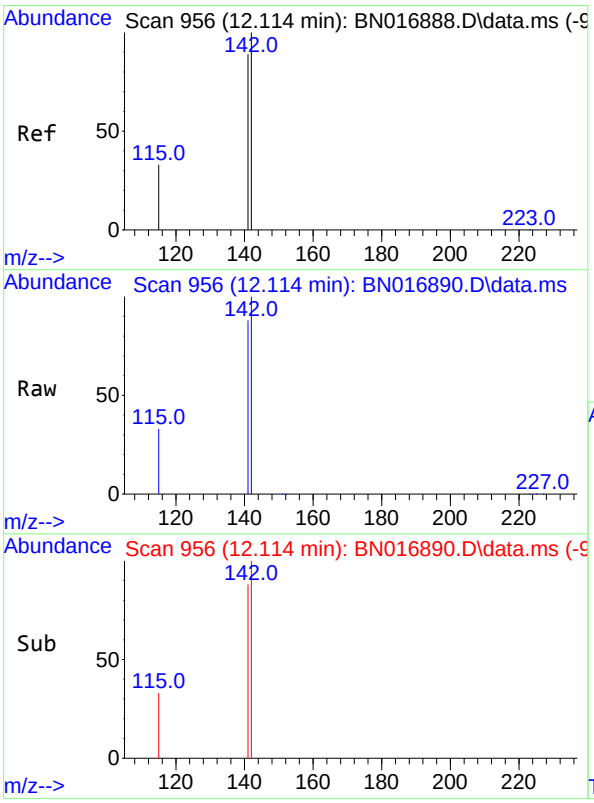
#11
2-Methylnaphthalene-d10
Concen: 1.68 ng
RT: 12.043 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 212583

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5

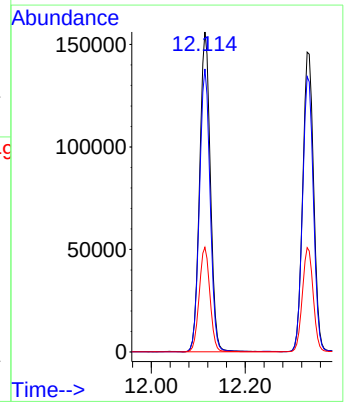


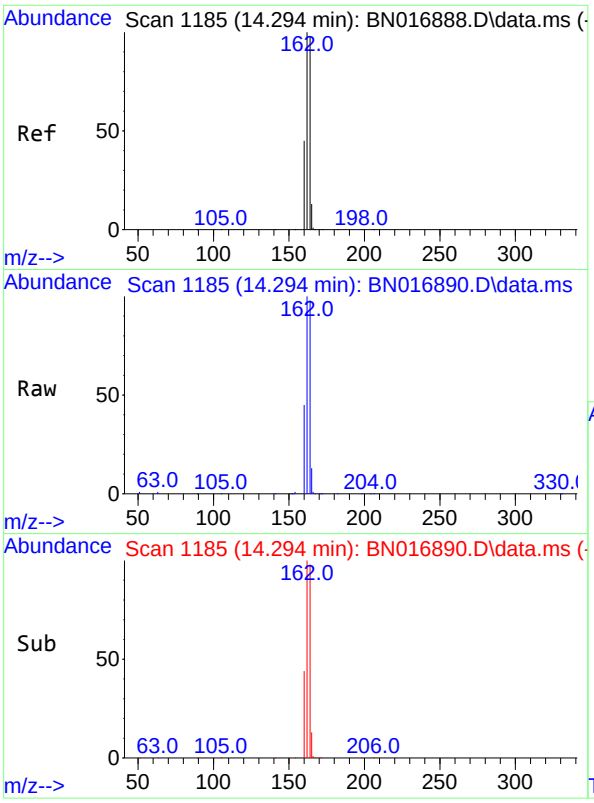


#12
2-Methylnaphthalene
Concen: 1.67 ng
RT: 12.114 min Scan# 956
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:142 Resp: 247481

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.0	106.4
115	32.7	26.6	40.0



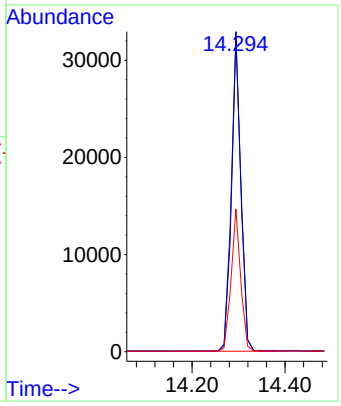


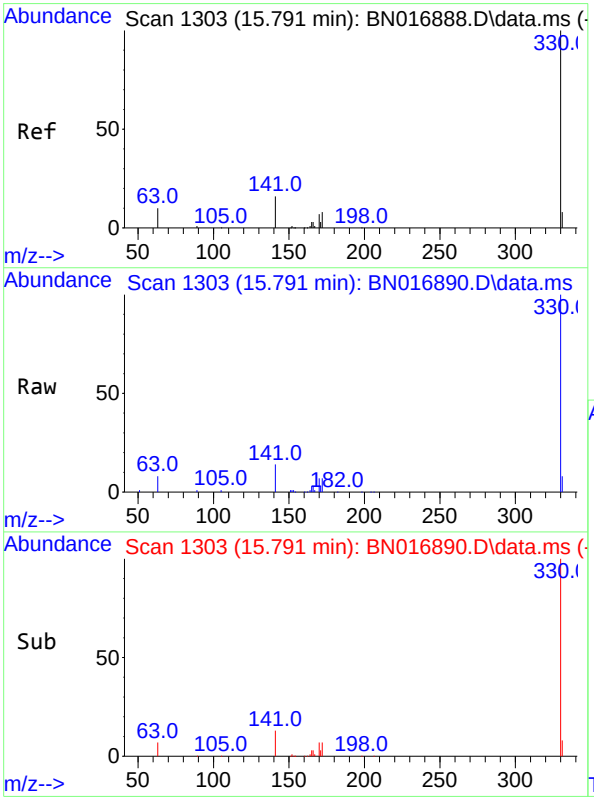
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.294 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 45623

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.8
160	45.5	37.0	55.4

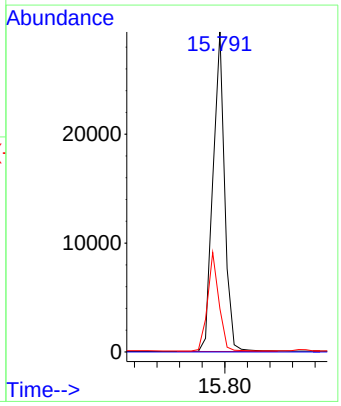


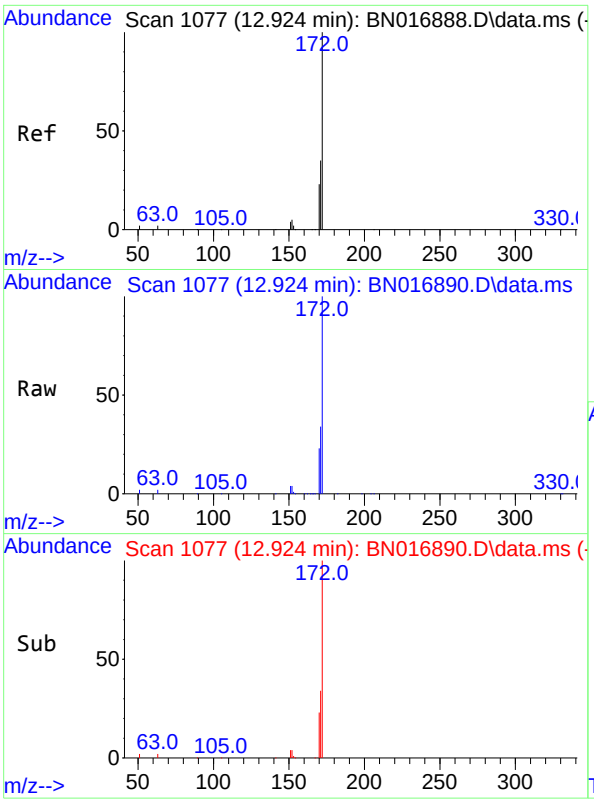


#14
2,4,6-Tribromophenol
Concen: 1.78 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:330 Resp: 41961

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.9	24.3	36.5



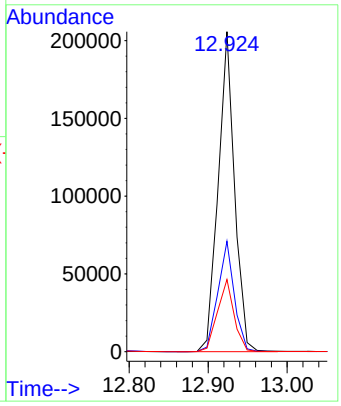


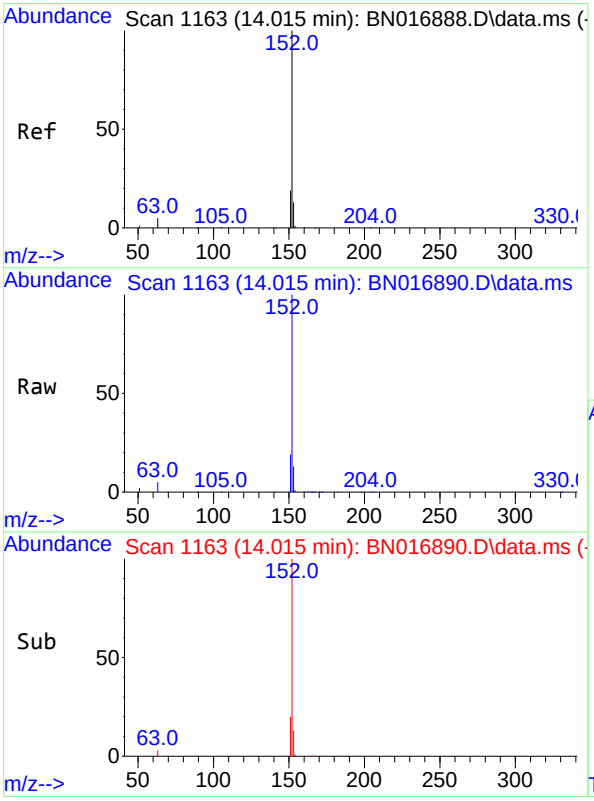
#15
2-Fluorobiphenyl
Concen: 1.61 ng
RT: 12.924 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 296049

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.7	41.5
170	22.6	18.3	27.5

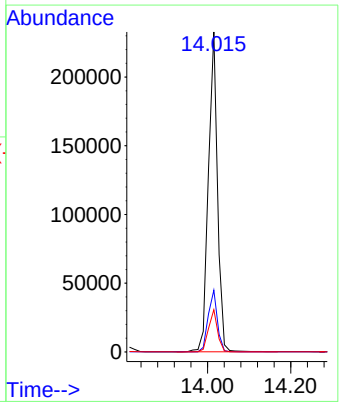


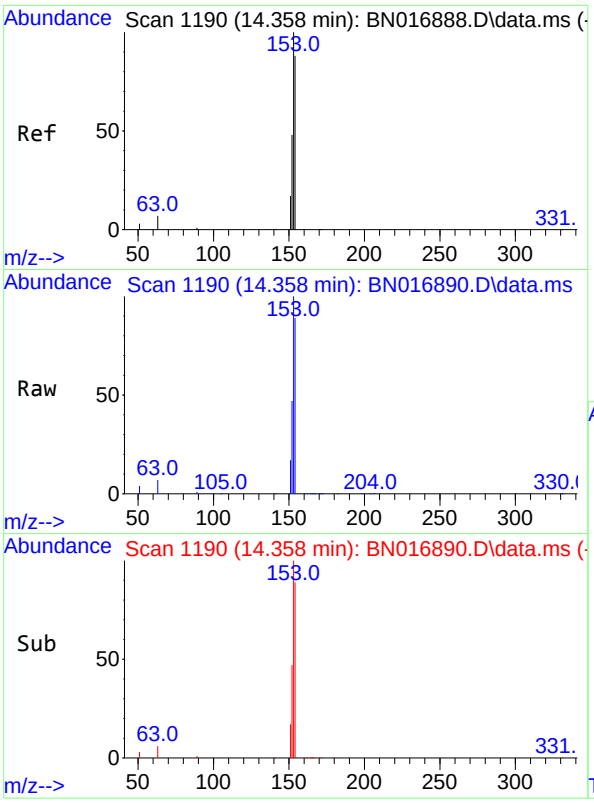


#16
Acenaphthylene
Concen: 1.75 ng
RT: 14.015 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:152 Resp: 353085

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.1	10.4	15.6



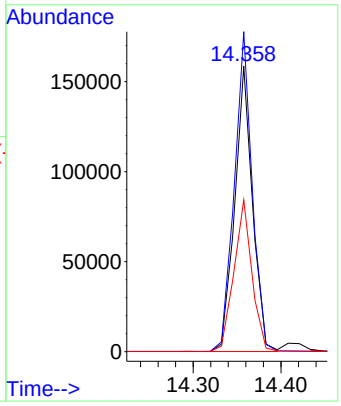


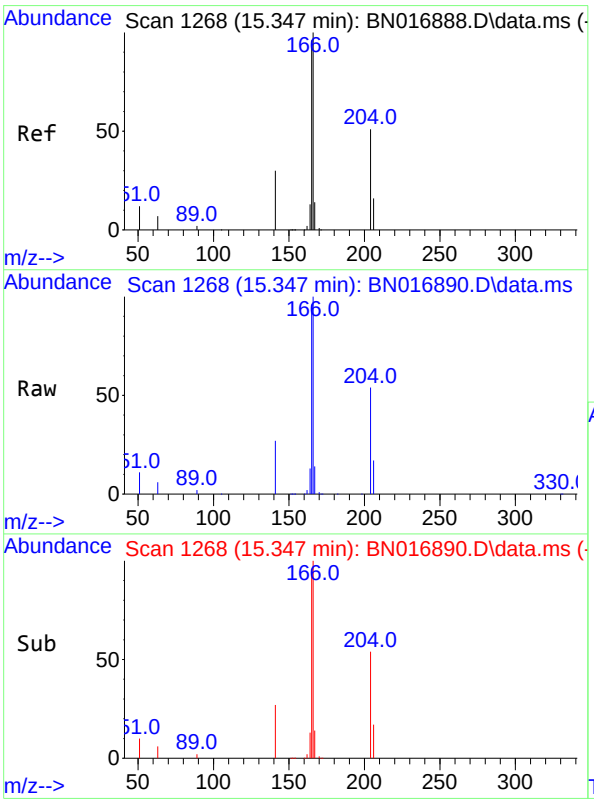
#17
Acenaphthene
Concen: 1.66 ng
RT: 14.358 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 222621

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.6	135.8
152	53.9	43.7	65.5

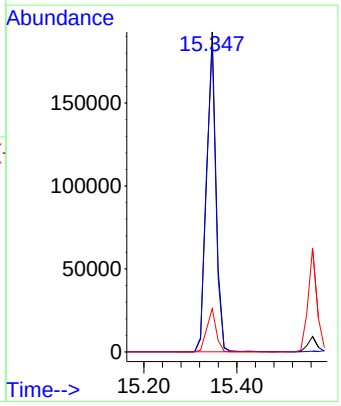


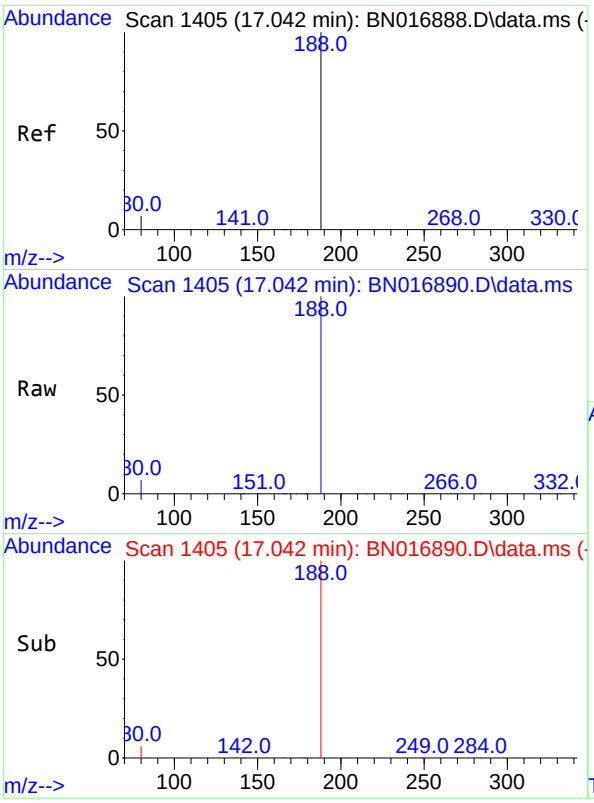


#18
Fluorene
Concen: 1.67 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:166 Resp: 272330

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.2
167	13.4	10.8	16.2



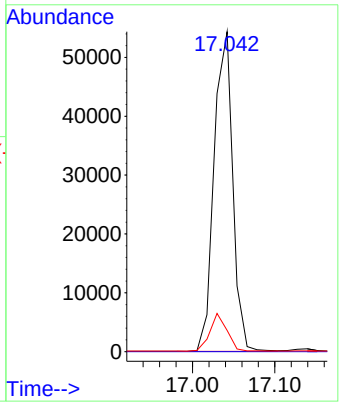


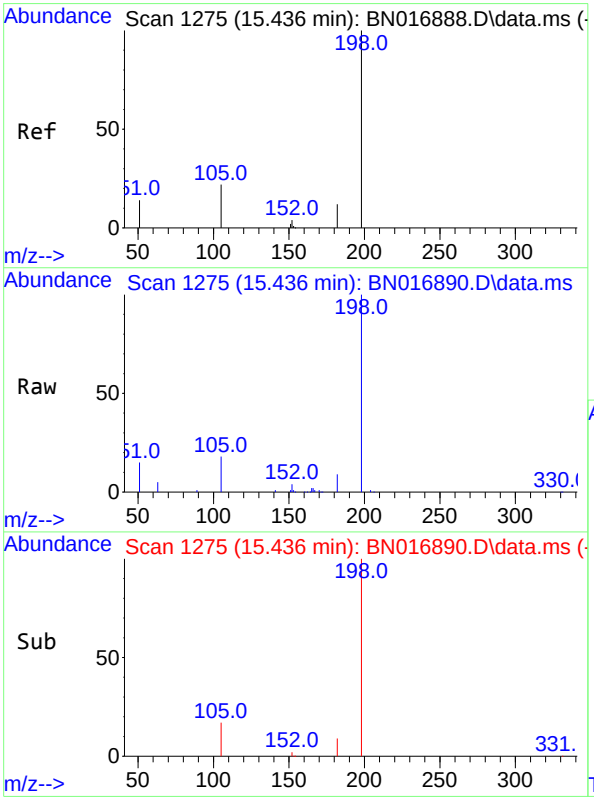
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.042 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 85456

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	5.4	8.2

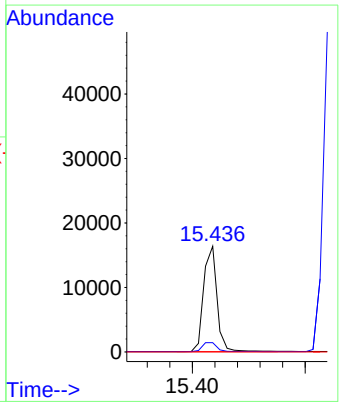


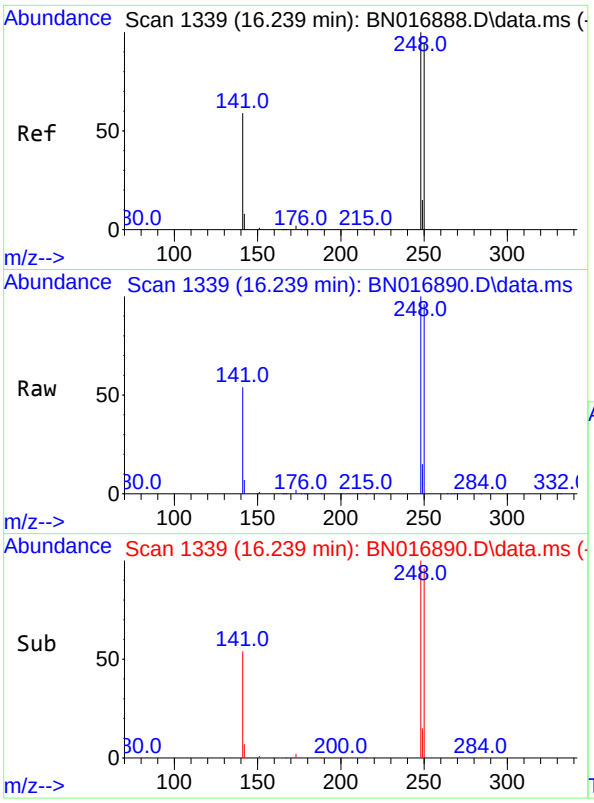


#20
4,6-Dinitro-2-methylphenol
Concen: 1.87 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:198 Resp: 26833

Ion	Ratio	Lower	Upper
198	100		
182	8.8	11.1	16.7#
77	0.0	0.0	0.0



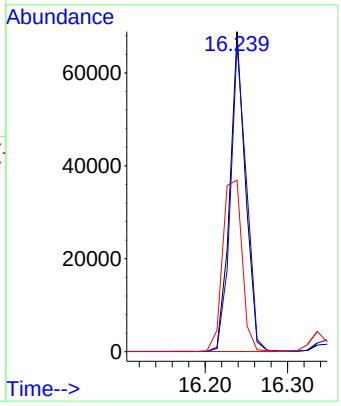


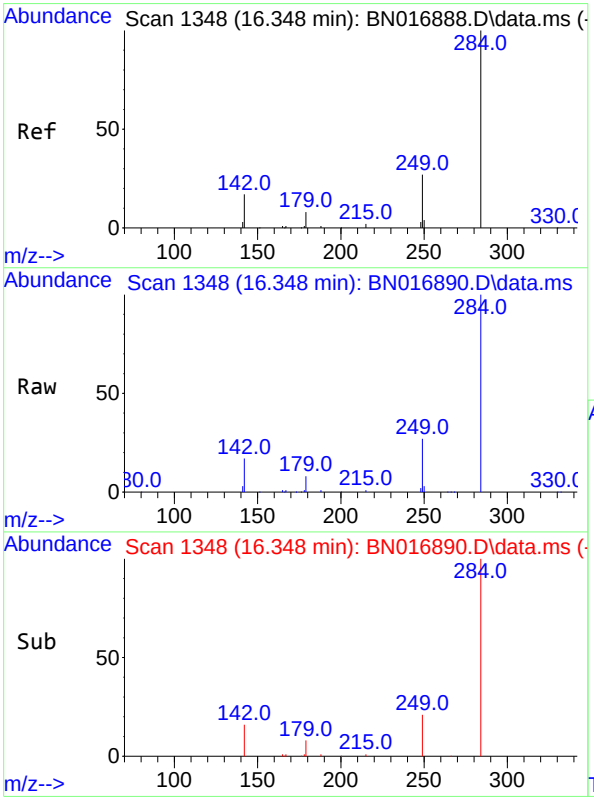
#21
4-Bromophenyl-phenylether
Concen: 1.70 ng
RT: 16.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 90621

Ion	Ratio	Lower	Upper
248	100		
250	96.0	75.8	113.6
141	53.6	47.4	71.2

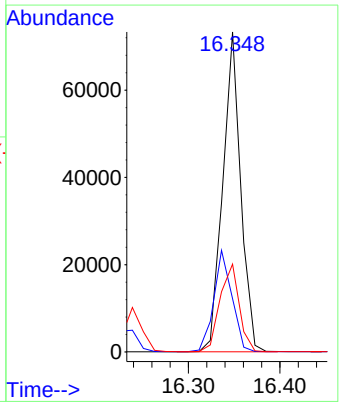


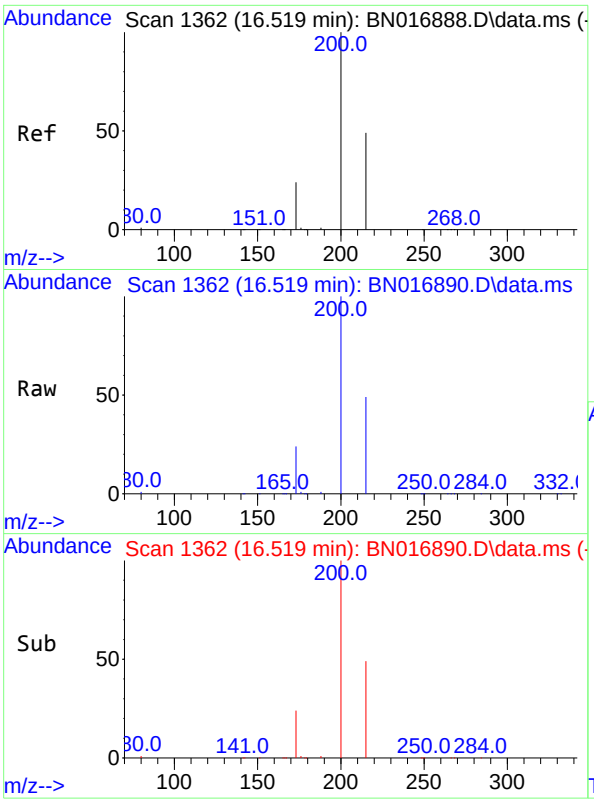


#22
Hexachlorobenzene
Concen: 1.64 ng
RT: 16.348 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:284 Resp: 99776

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.1	37.7
249	29.4	23.0	34.4



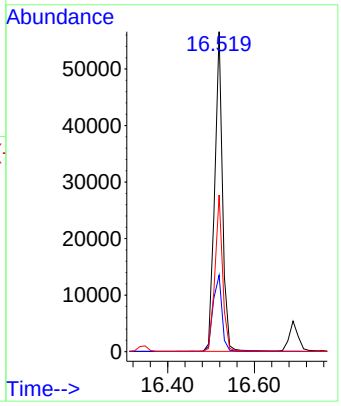


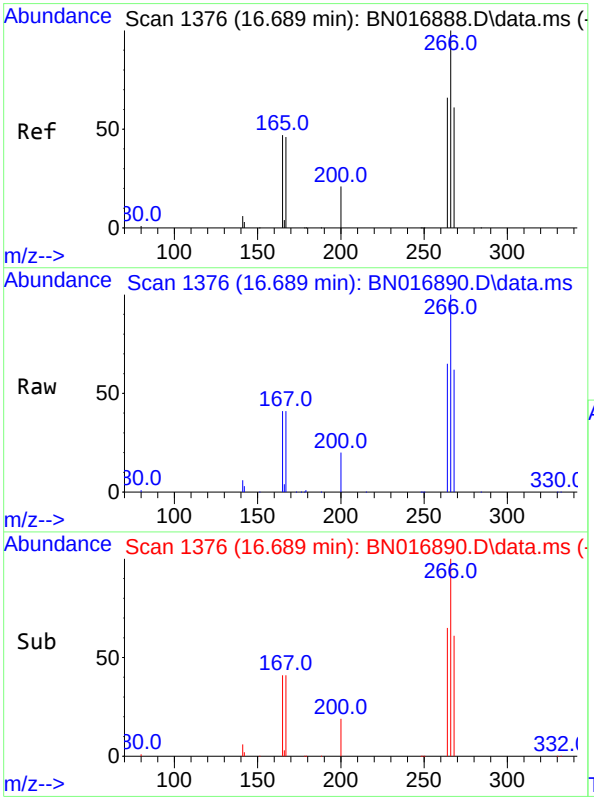
#23
Atrazine
Concen: 1.68 ng
RT: 16.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 70910

Ion	Ratio	Lower	Upper
200	100		
173	23.9	19.7	29.5
215	49.0	39.5	59.3

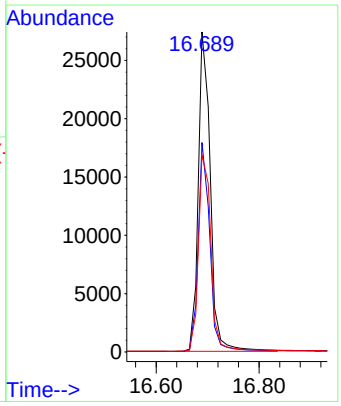


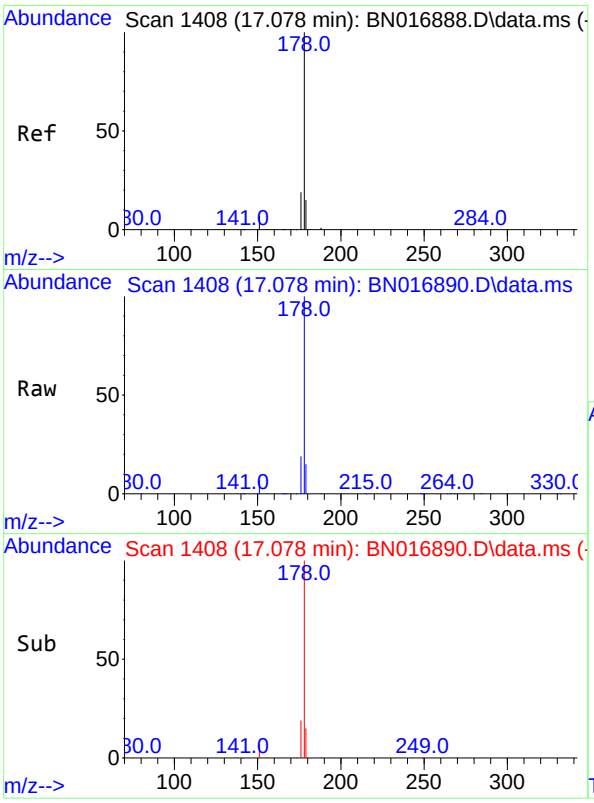


#24
Pentachlorophenol
Concen: 2.23 ng
RT: 16.689 min Scan# 1376
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:266 Resp: 44536

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.6	76.0
268	64.2	51.3	76.9



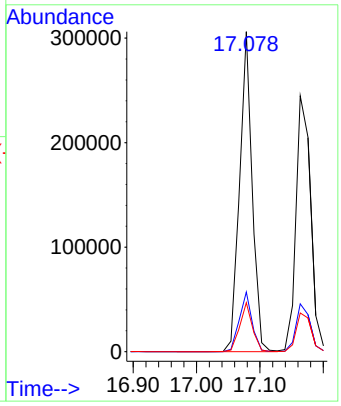


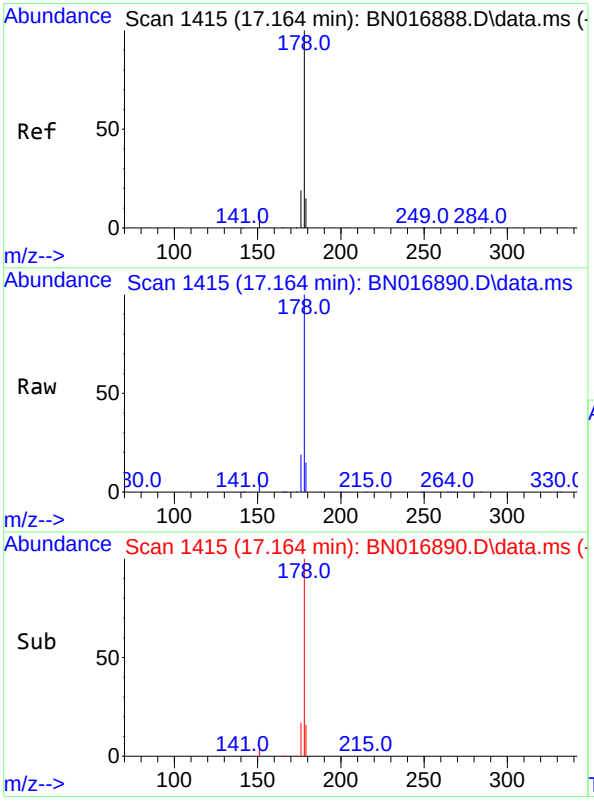
#25
Phenanthrene
Concen: 1.67 ng
RT: 17.078 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 423550

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.3	12.3	18.5

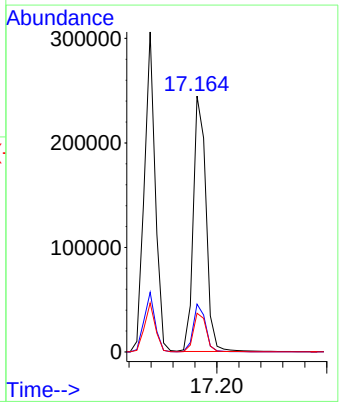


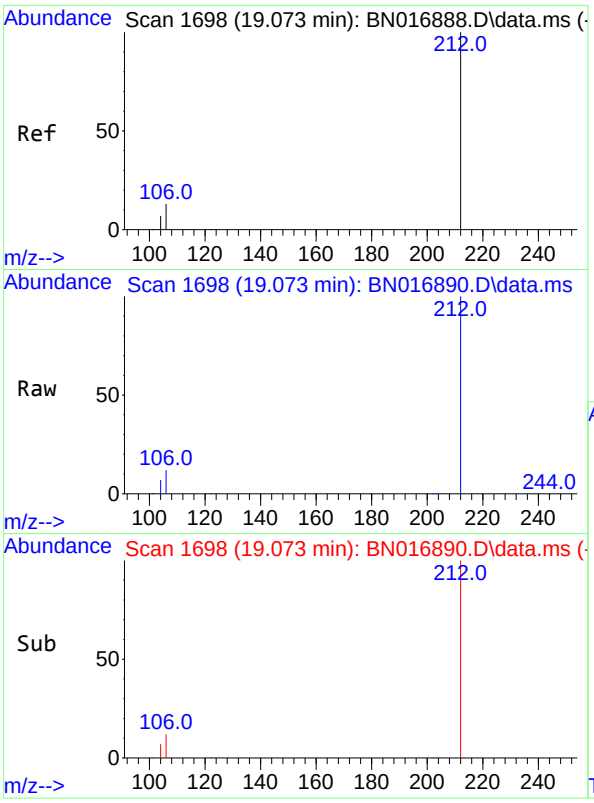


#26
Anthracene
Concen: 1.75 ng
RT: 17.164 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:178 Resp: 393725

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	15.4	12.2	18.4



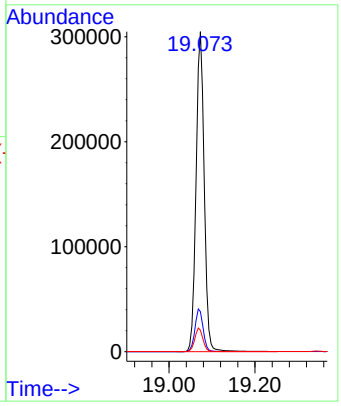


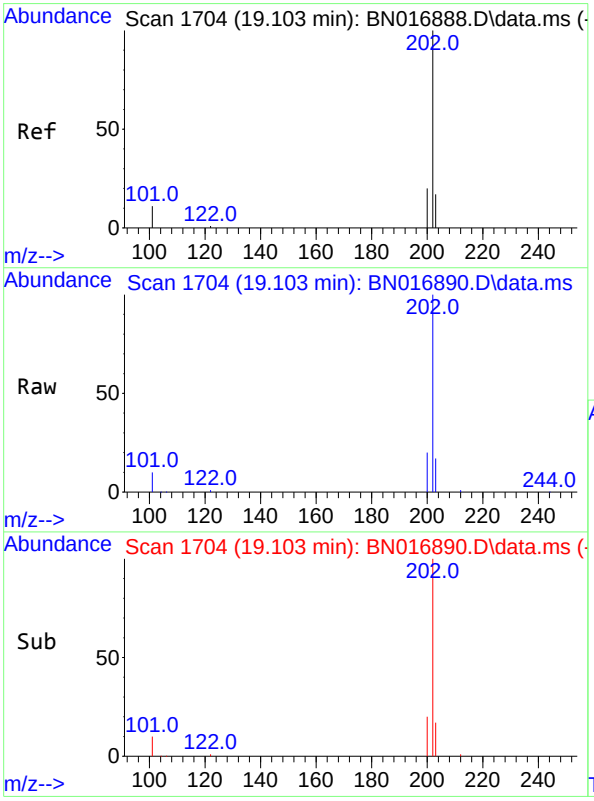
#27
Fluoranthene-d10
Concen: 1.69 ng
RT: 19.073 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 400184

Ion	Ratio	Lower	Upper
212	100		
106	13.4	10.8	16.2
104	7.4	5.9	8.9

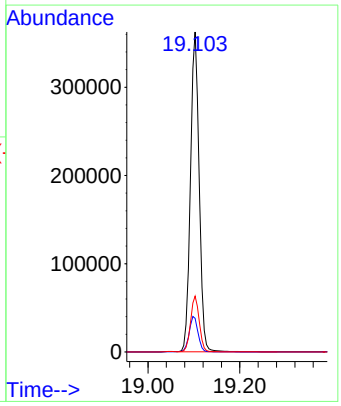


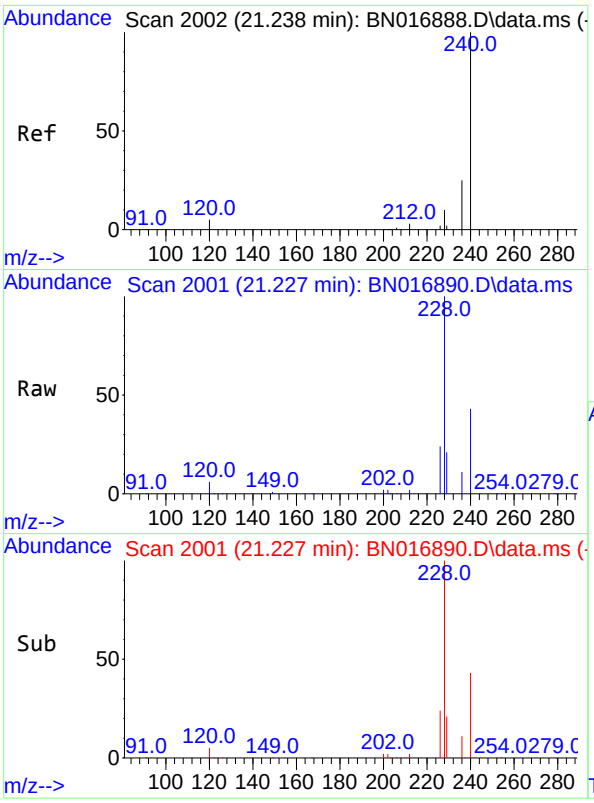


#28
Fluoranthene
Concen: 1.68 ng
RT: 19.103 min Scan# 1704
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:202 Resp: 477505

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.0	13.6
203	17.5	13.8	20.8



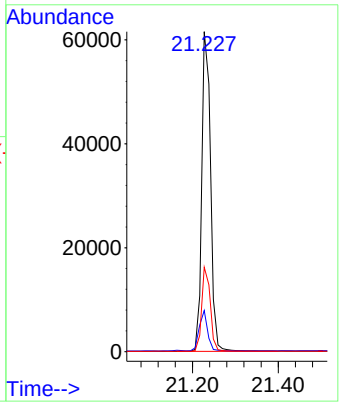


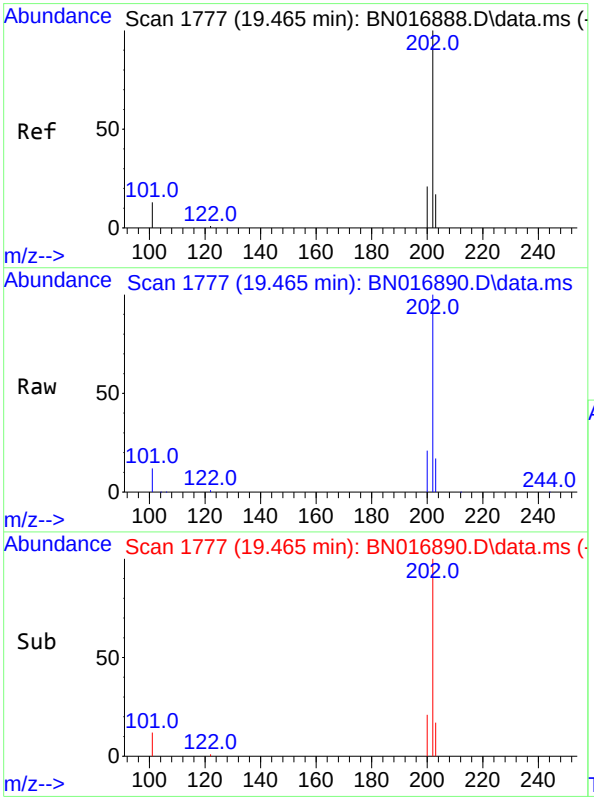
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.227 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 87514

Ion	Ratio	Lower	Upper
240	100		
120	12.8	4.1	6.1#
236	26.4	20.1	30.1

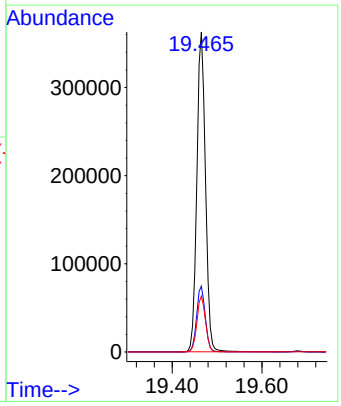


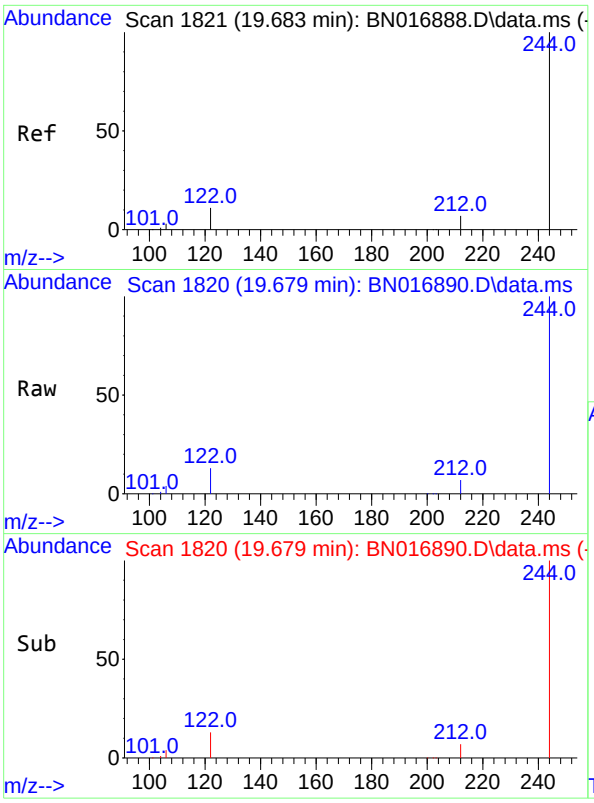


#30
Pyrene
Concen: 1.81 ng
RT: 19.465 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:202 Resp: 487057

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	17.5	14.0	21.0



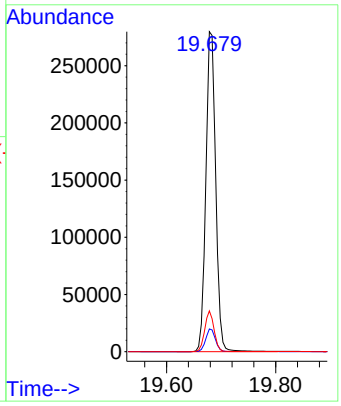


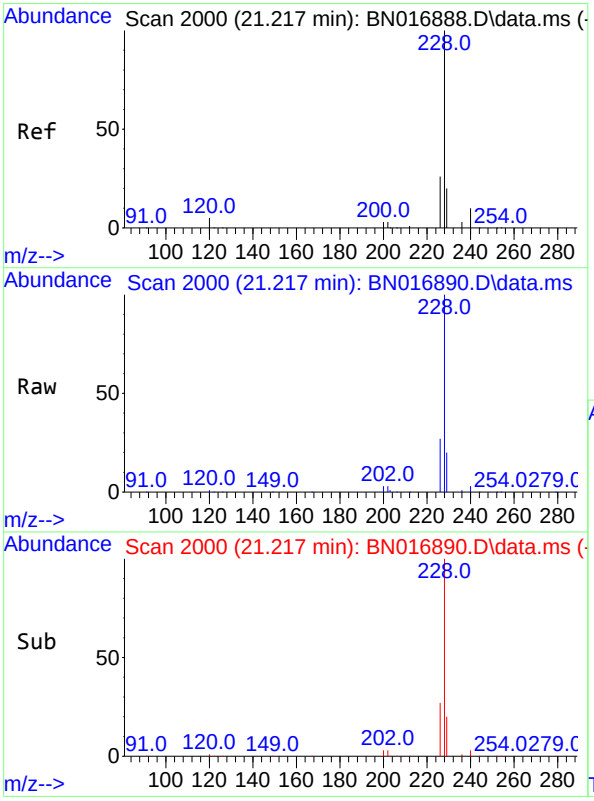
#31
Terphenyl-d14
Concen: 1.84 ng
RT: 19.679 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 351791

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	12.7	8.6	13.0

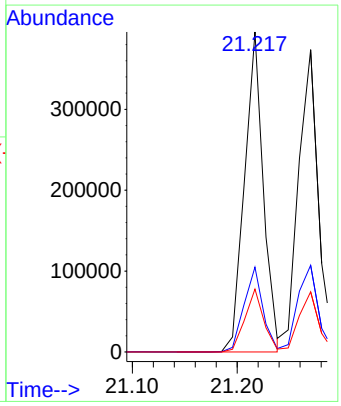


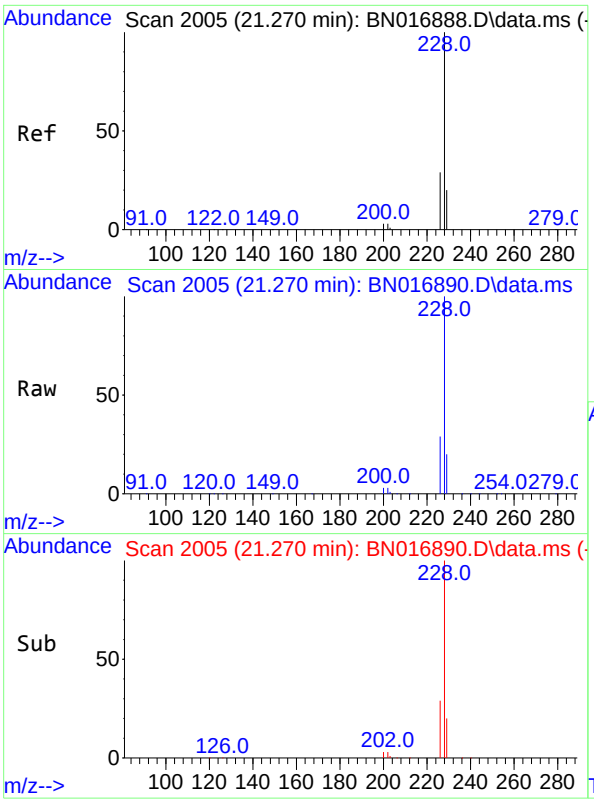


#32
Benzo(a)anthracene
Concen: 1.82 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:228 Resp: 492865

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.6	15.8	23.6



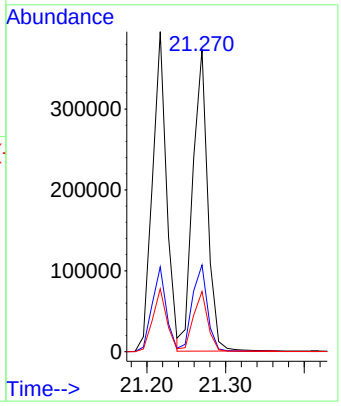


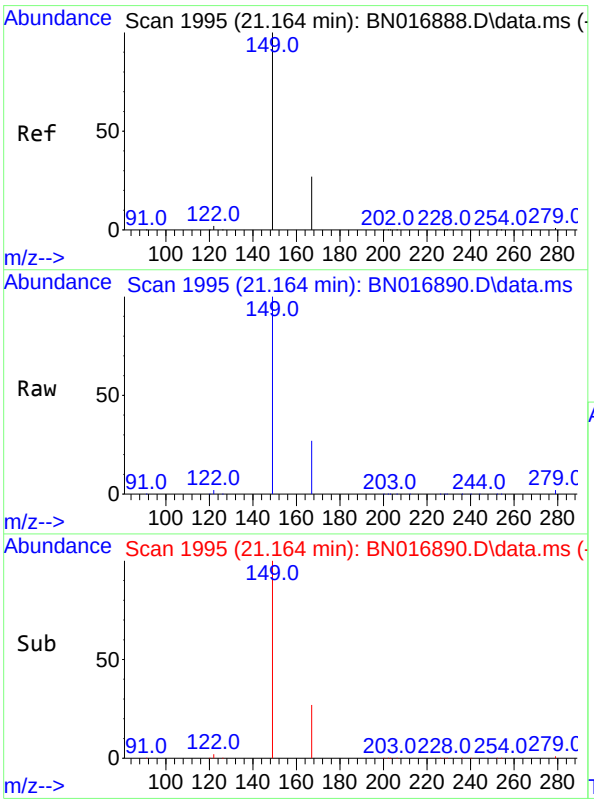
#33
Chrysene
Concen: 1.77 ng
RT: 21.270 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 488553

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.3	34.9
229	19.9	15.8	23.6

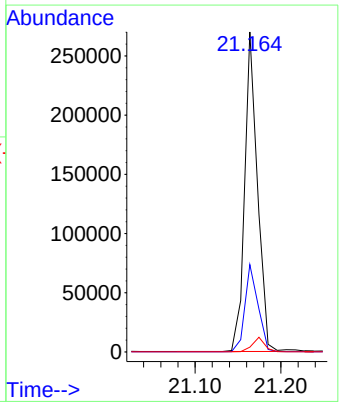


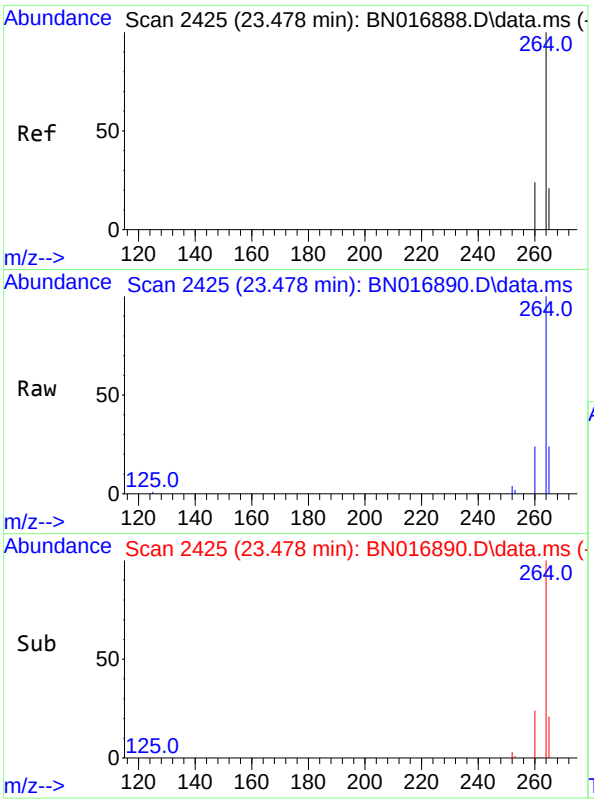


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.02 ng
RT: 21.164 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:149 Resp: 278256

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.2
279	4.4	3.5	5.3



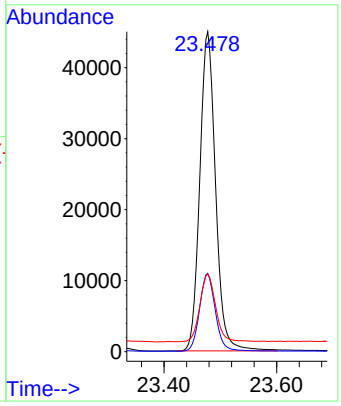


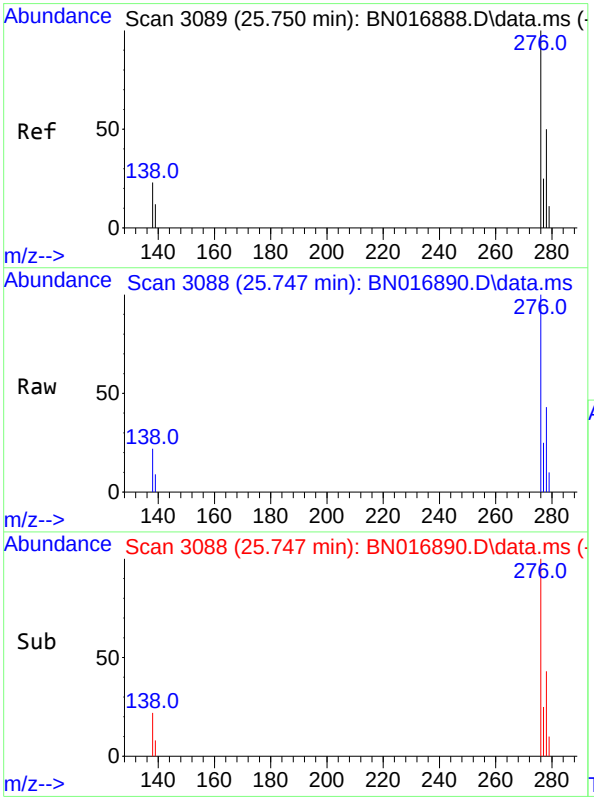
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.478 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 87774

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	24.3	19.2	28.8

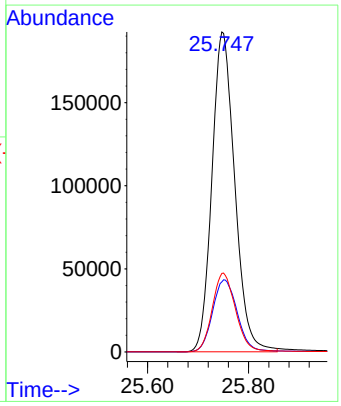


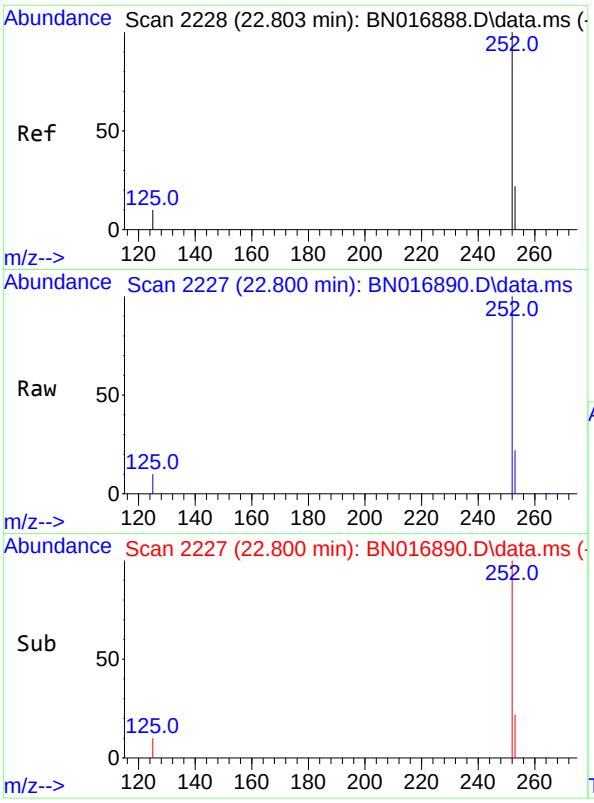


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.82 ng
RT: 25.747 min Scan# 3088
Delta R.T. -0.003 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:276 Resp: 603545

Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.1	30.1
277	25.1	20.1	30.1



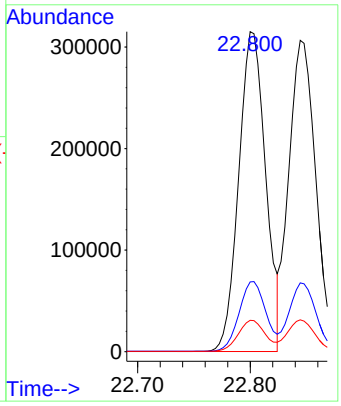


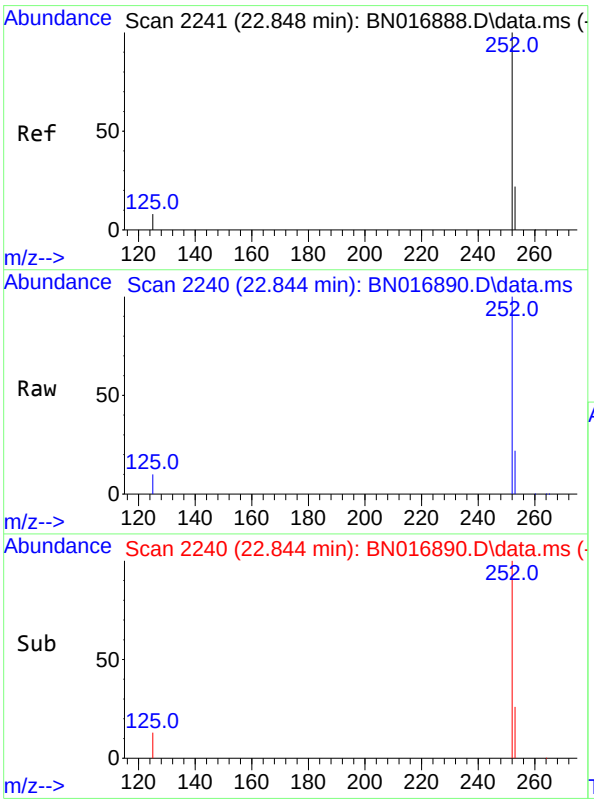
#37
Benzo(b)fluoranthene
Concen: 1.88 ng
RT: 22.800 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 522199

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	9.8	8.1	12.1

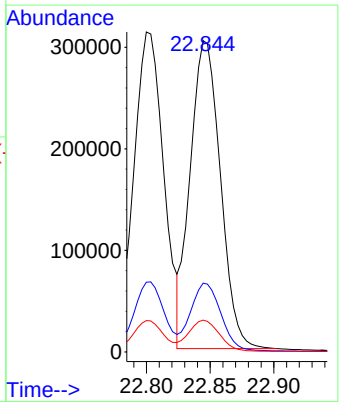


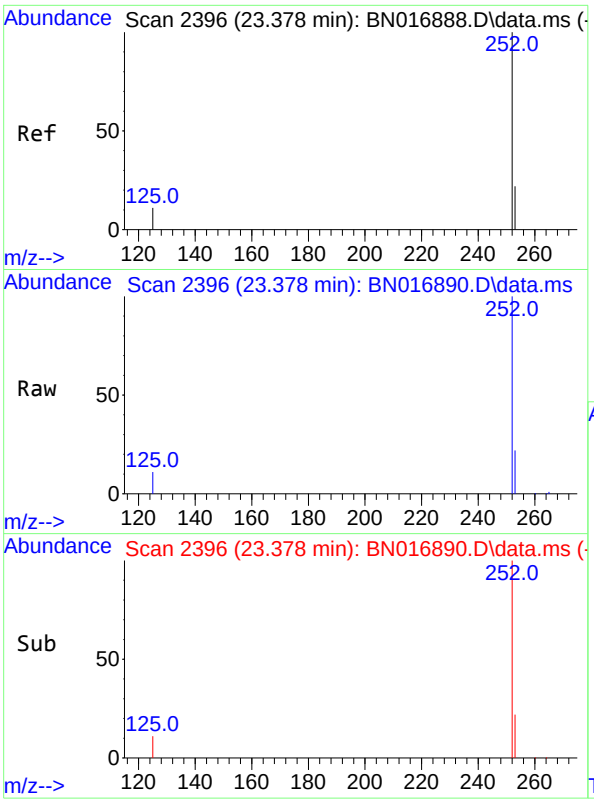


#38
Benzo(k)fluoranthene
Concen: 1.85 ng
RT: 22.844 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:252 Resp: 500250

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	10.2	9.0	13.6



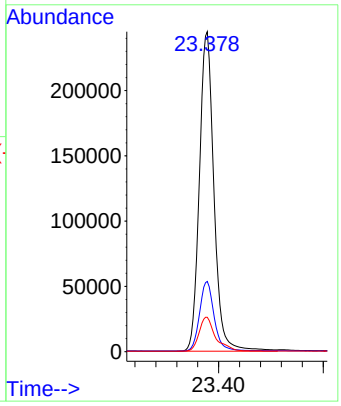


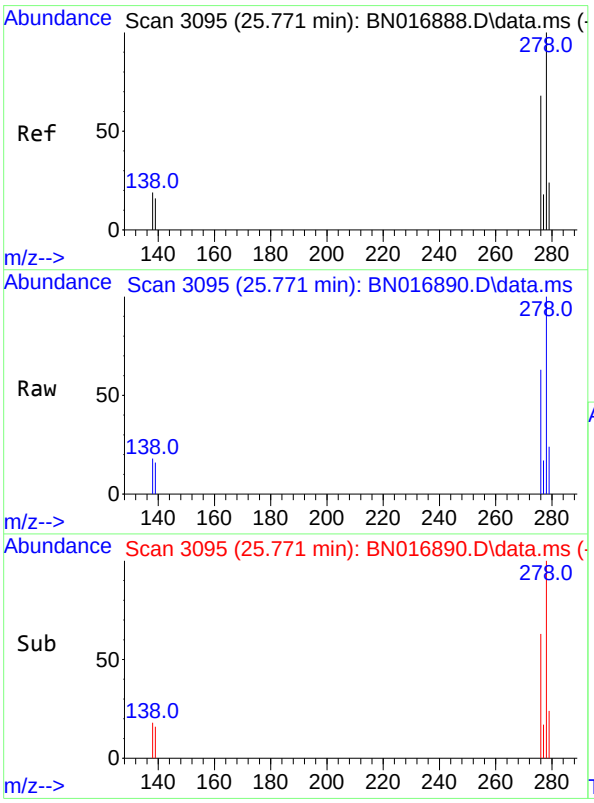
#39
Benzo(a)pyrene
Concen: 1.86 ng
RT: 23.378 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 472551

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.7	9.0	13.6

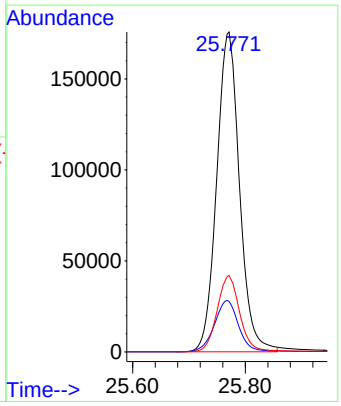


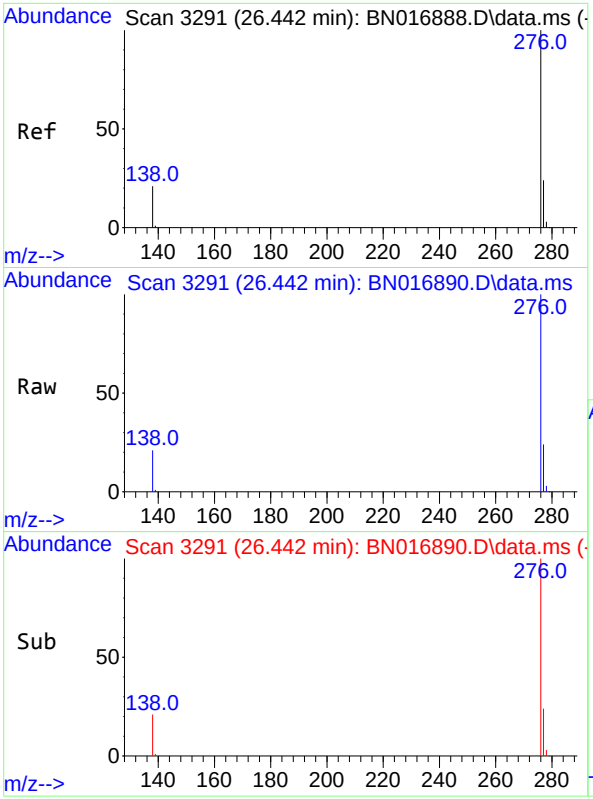


#40
Dibenzo(a,h)anthracene
Concen: 1.81 ng
RT: 25.771 min Scan# 3095
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Tgt Ion:278 Resp: 493125

Ion	Ratio	Lower	Upper
278	100		
139	15.8	13.4	20.0
279	23.9	19.2	28.8





#41
Benzo(g,h,i)perylene
Concen: 1.79 ng
RT: 26.442 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN016890.D
Acq: 11 Oct 2021 20:21

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 516936

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.9	16.7	25.1