Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022422\
Data File : BN018712.D
Acq On : 24 Feb 2022 17:46
Operator : CG/JU
Sample : PB142900BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Quant Time: Feb 25 00:48:45 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 16:23:51 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.919	152	6441	0.400	ng		0.00
7) Naphthalene-d8	10.722	136	15245	0.400	ng	#	0.00
13) Acenaphthene-d10	14.549	164	7122	0.400	ng		0.00
19) Phenanthrene-d10	17.287	188	13199	0.400	ng		0.00
29) Chrysene-d12	21.467	240	10260	0.400	ng	#	0.00
35) Perylene-d12	23.861	264	9448	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.464	112	4912	0.333	ng		0.00
5) Phenol-d6	7.067	99	5567	0.328	ng		0.00
8) Nitrobenzene-d5	9.067	82	3618	0.307	ng		0.00
11) 2-Methylnaphthalene-d10	12.310	152	7487	0.326	ng		0.00
14) 2,4,6-Tribromophenol	16.026	330	826	0.297	ng		0.00
15) 2-Fluorobiphenyl	13.180	172	11353	0.336	ng		0.00
27) Fluoranthene-d10	19.312	212	11541	0.322	ng		0.00
31) Terphenyl-d14	19.906	244	7191	0.323	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.326	88	2634	0.352	ng	#	60
3) n-Nitrosodimethylamine	3.644	42	2587	0.349	ng		90
6) bis(2-Chloroethyl)ether	7.327	93	5881	0.337	ng		99
9) Naphthalene	10.765	128	14591	0.332	ng		99
10) Hexachlorobutadiene	11.064	225	3470	0.328	ng	#	99
12) 2-Methylnaphthalene	12.382	142	9810	0.333	ng		97
16) Acenaphthylene	14.260	152	10623	0.314	ng		99
17) Acenaphthene	14.602	154	7676	0.329	ng		99
18) Fluorene	15.586	166	9121	0.325	ng		99
20) 4,6-Dinitro-2-methylph...	15.660	198	509	0.325	ng	#	88
21) 4-Bromophenyl-phenylether	16.477	248	2940	0.313	ng		94
22) Hexachlorobenzene	16.600	284	3799	0.324	ng	#	86
23) Atrazine	16.733	200	1490	0.288	ng	#	93
24) Pentachlorophenol	16.938	266	670	0.335	ng		96
25) Phenanthrene	17.328	178	14436	0.327	ng		99
26) Anthracene	17.420	178	11562	0.309	ng		100
28) Fluoranthene	19.341	202	14822	0.321	ng	#	97
30) Pyrene	19.704	202	15246	0.333	ng		100
32) Benzo(a)anthracene	21.449	228	12395	0.319	ng		99
33) Chrysene	21.503	228	14593	0.336	ng		99
34) Bis(2-ethylhexyl)phtha...	21.378	149	4896	0.310	ng	#	94
36) Indeno(1,2,3-cd)pyrene	26.346	276	16687	0.334	ng	#	88
37) Benzo(b)fluoranthene	23.130	252	13681	0.319	ng	#	89
38) Benzo(k)fluoranthene	23.176	252	14047	0.330	ng	#	91
39) Benzo(a)pyrene	23.755	252	11024	0.322	ng	#	80
40) Dibenzo(a,h)anthracene	26.360	278	12858	0.330	ng	#	90
41) Benzo(g,h,i)perylene	27.106	276	13682	0.321	ng	#	89

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

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Instrument :
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Quant Time: Feb 25 00:48:45 2022
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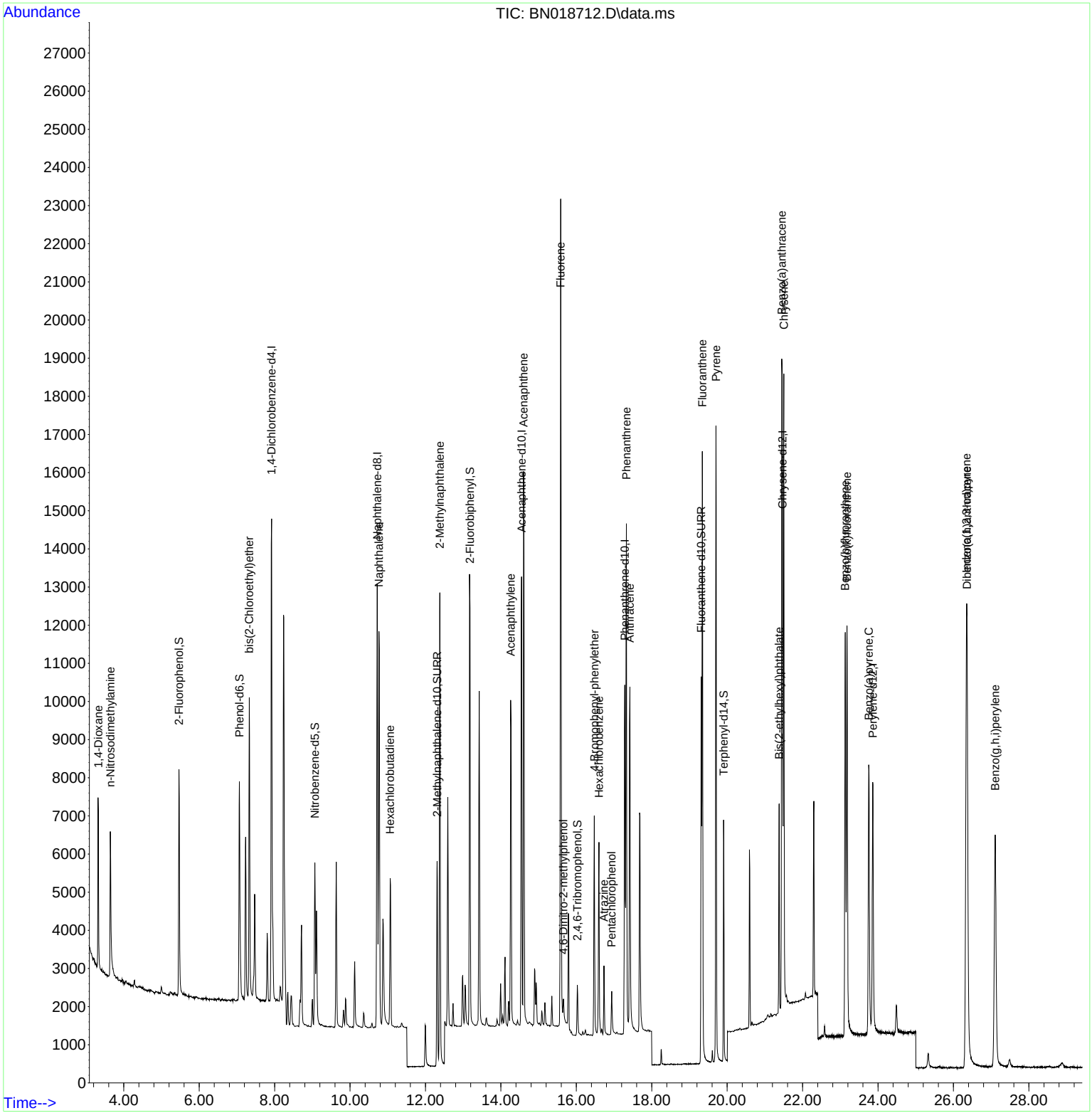
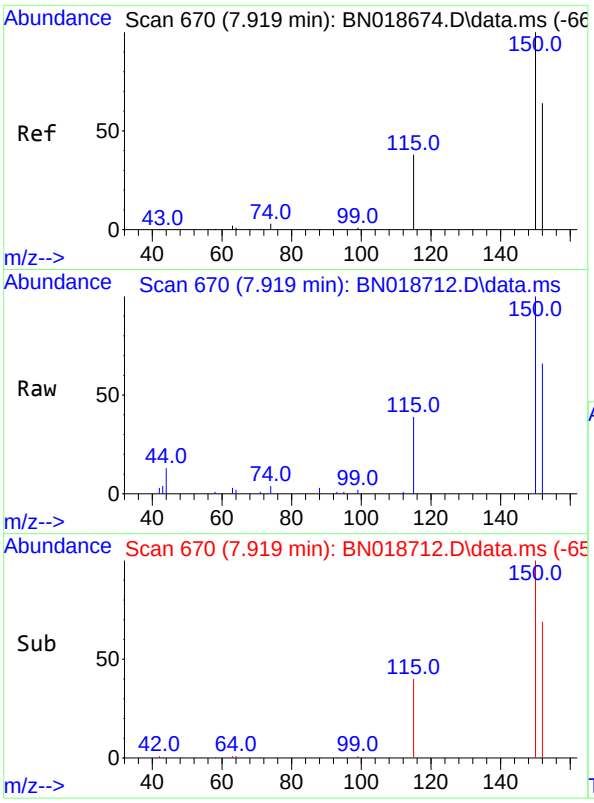
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 16:23:51 2022
Response via : Initial Calibration



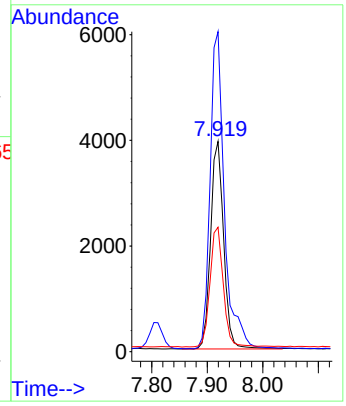


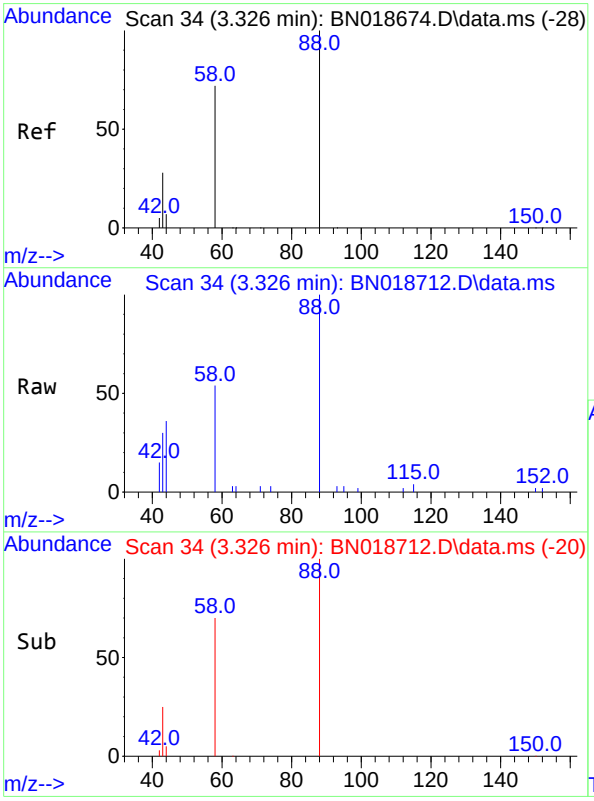
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.919 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:152 Resp: 6441

Ion	Ratio	Lower	Upper
152	100		
150	152.2	121.7	182.5
115	59.2	43.8	65.8

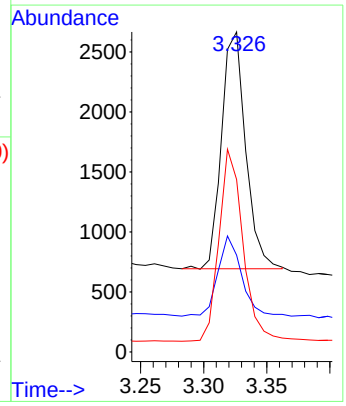


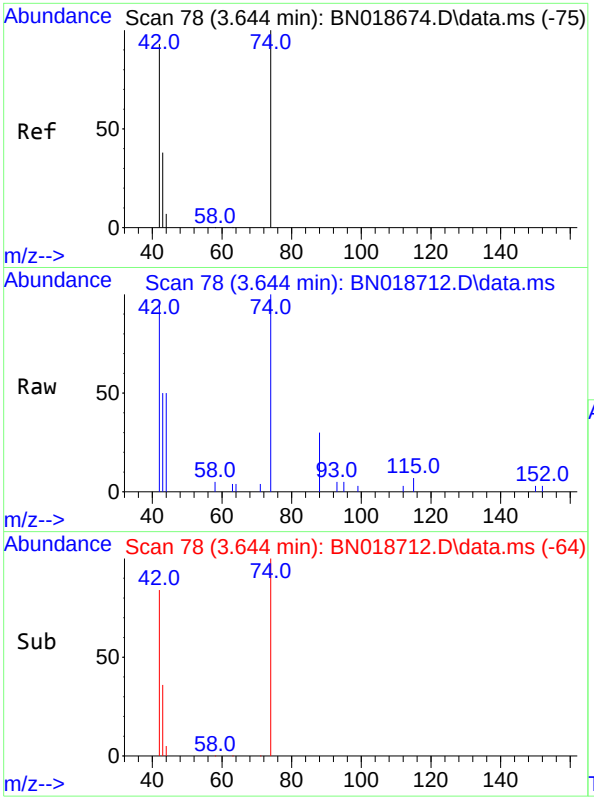


#2
1,4-Dioxane
Concen: 0.352 ng
RT: 3.326 min Scan# 34
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion: 88 Resp: 2634

Ion	Ratio	Lower	Upper
88	100		
43	32.6	69.7	104.5#
58	80.3	83.8	125.8#



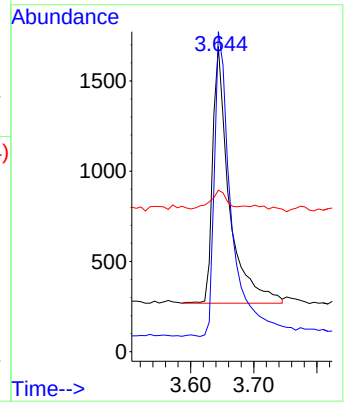


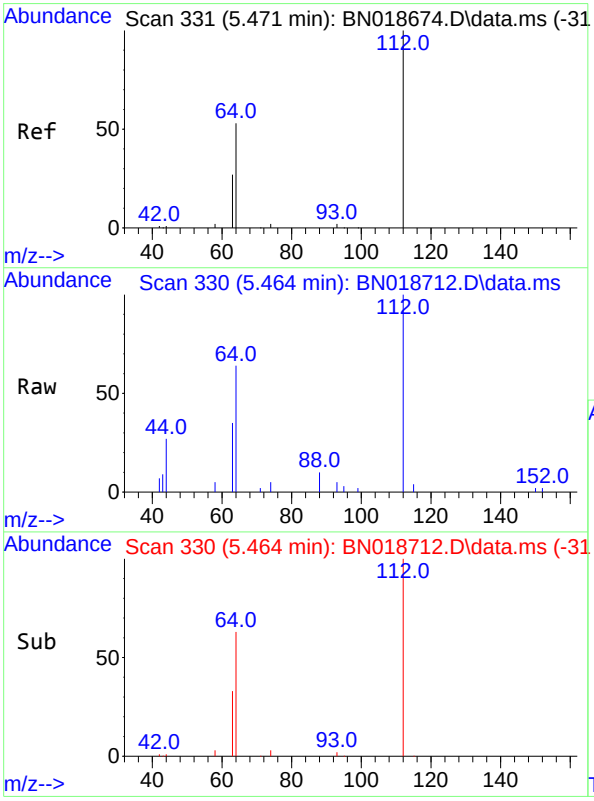
#3
n-Nitrosodimethylamine
Concen: 0.349 ng
RT: 3.644 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion: 42 Resp: 2587

Ion	Ratio	Lower	Upper
42	100		
74	122.9	108.6	163.0
44	6.8	5.8	8.8

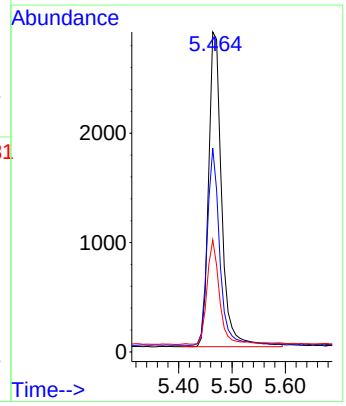


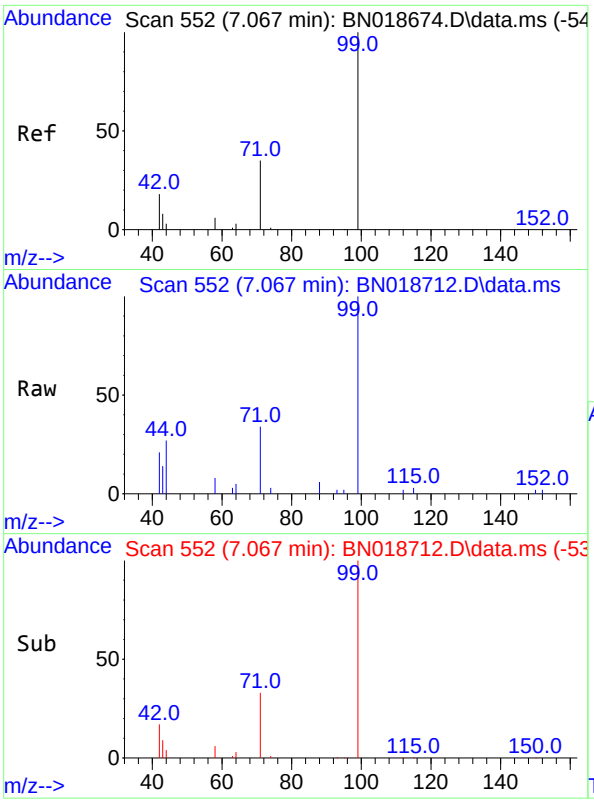


#4
2-Fluorophenol
Concen: 0.333 ng
RT: 5.464 min Scan# 330
Delta R.T. -0.007 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:112 Resp: 4912

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.0	72.0
63	31.2	25.3	37.9



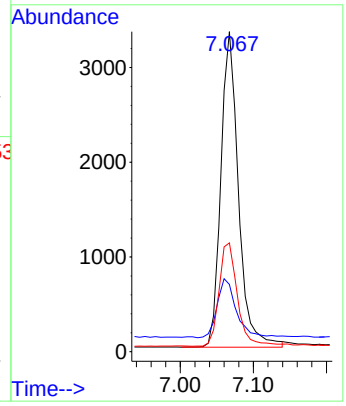


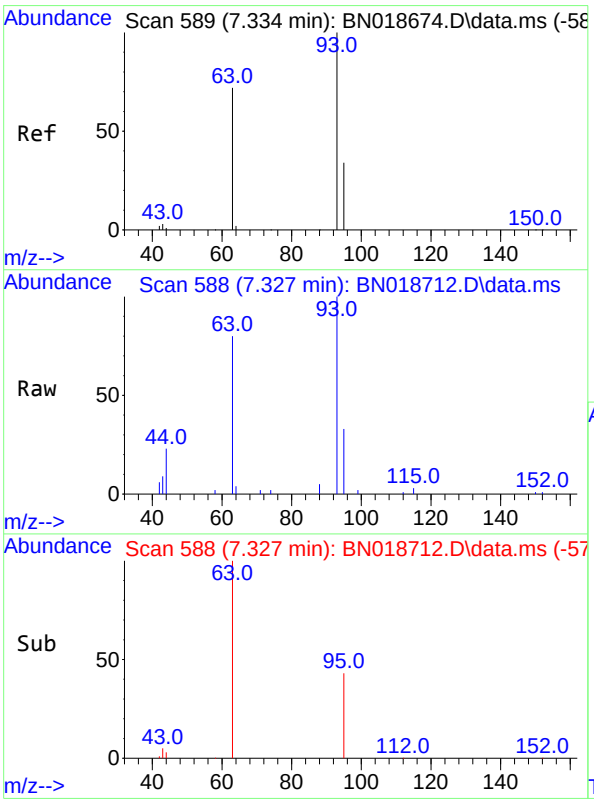
#5
Phenol-d6
Concen: 0.328 ng
RT: 7.067 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion: 99 Resp: 5567

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.3	24.5
71	34.1	26.8	40.2

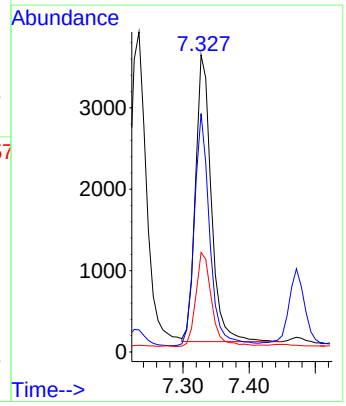


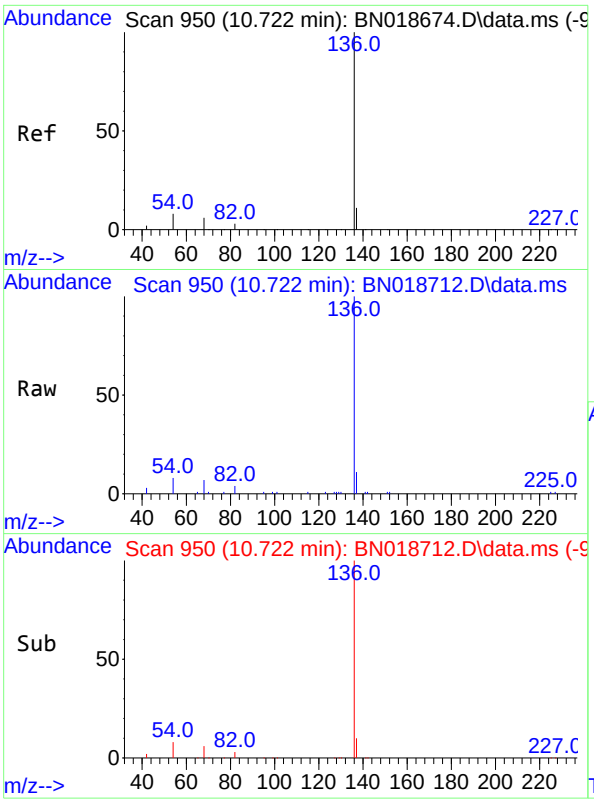


#6
bis(2-Chloroethyl)ether
Concen: 0.337 ng
RT: 7.327 min Scan# 588
Delta R.T. -0.007 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion: 93 Resp: 5881

Ion	Ratio	Lower	Upper
93	100		
63	78.6	61.7	92.5
95	33.0	26.2	39.4



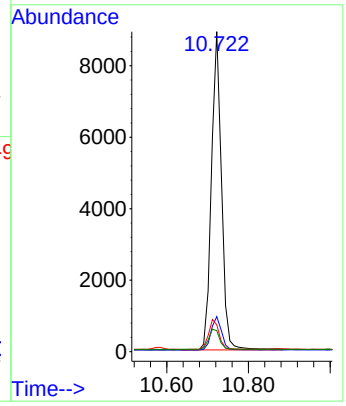


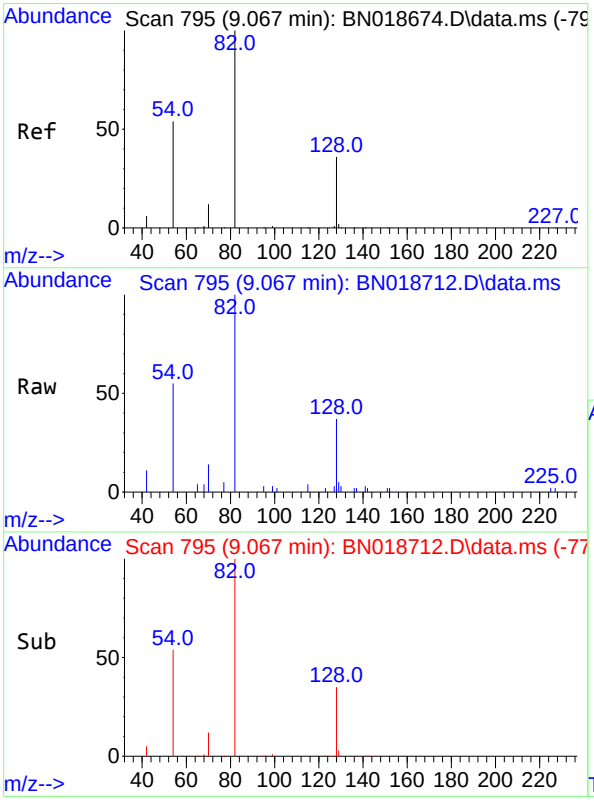
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.722 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:136 Resp: 15245

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.4	5.0	7.6#
68	6.5	4.4	6.6

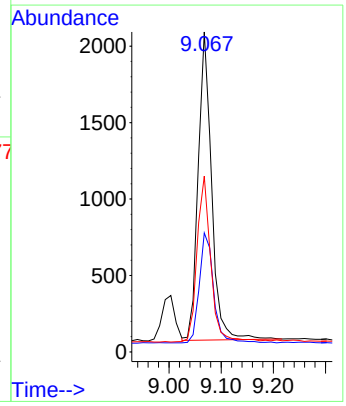


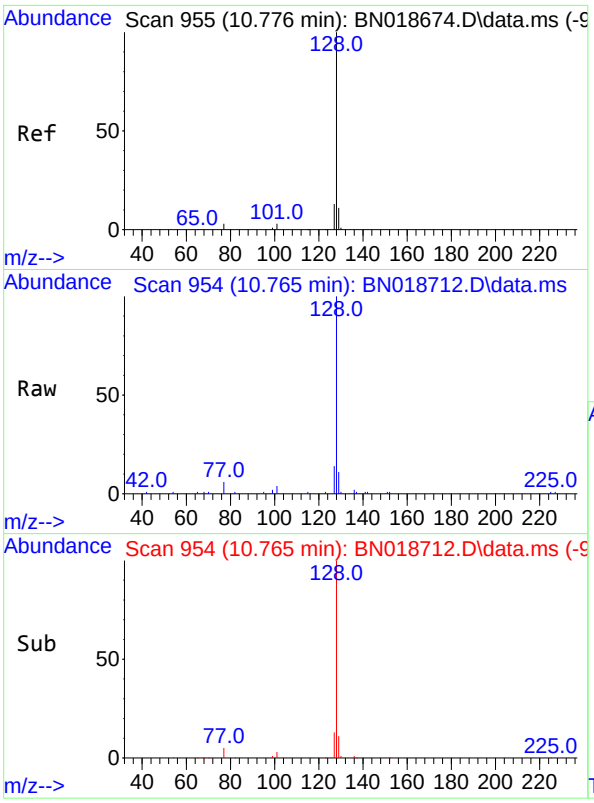


#8
Nitrobenzene-d5
Concen: 0.307 ng
RT: 9.067 min Scan# 795
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion: 82 Resp: 3618

Ion	Ratio	Lower	Upper
82	100		
128	37.2	33.7	50.5
54	54.9	36.6	55.0



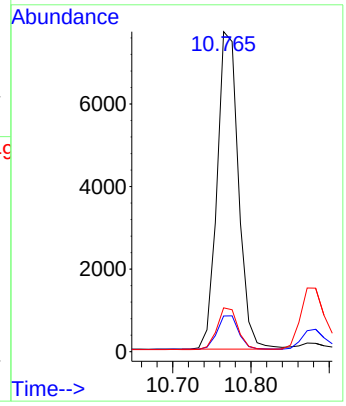


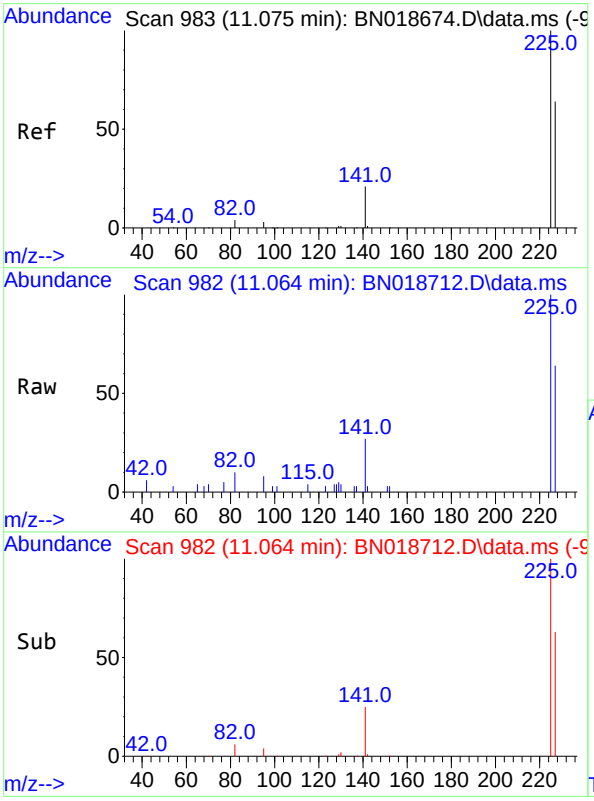
#9
Naphthalene
Concen: 0.332 ng
RT: 10.765 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:128 Resp: 14591

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.7	10.4	15.6

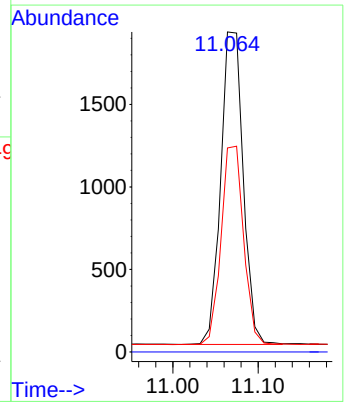


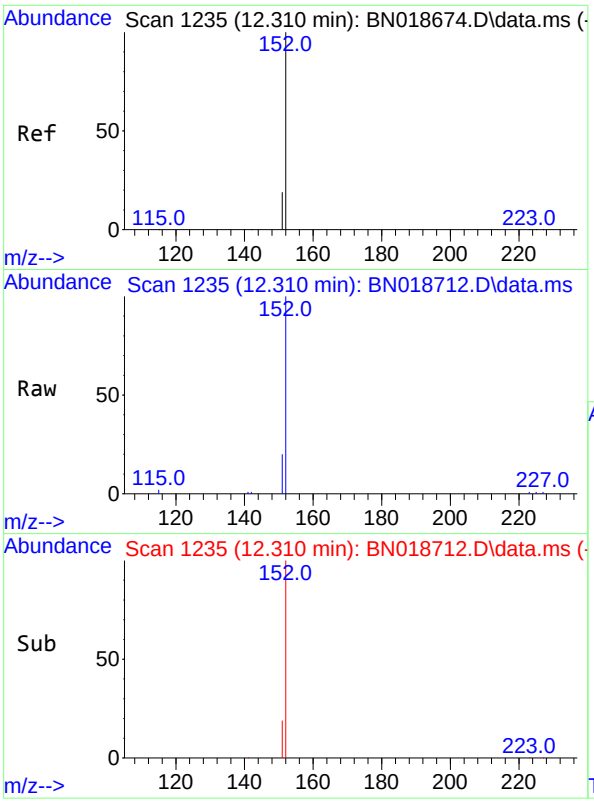


#10
Hexachlorobutadiene
Concen: 0.328 ng
RT: 11.064 min Scan# 982
Delta R.T. -0.011 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:225 Resp: 3470

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	51.0	76.6



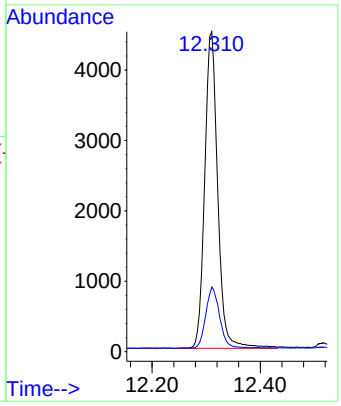


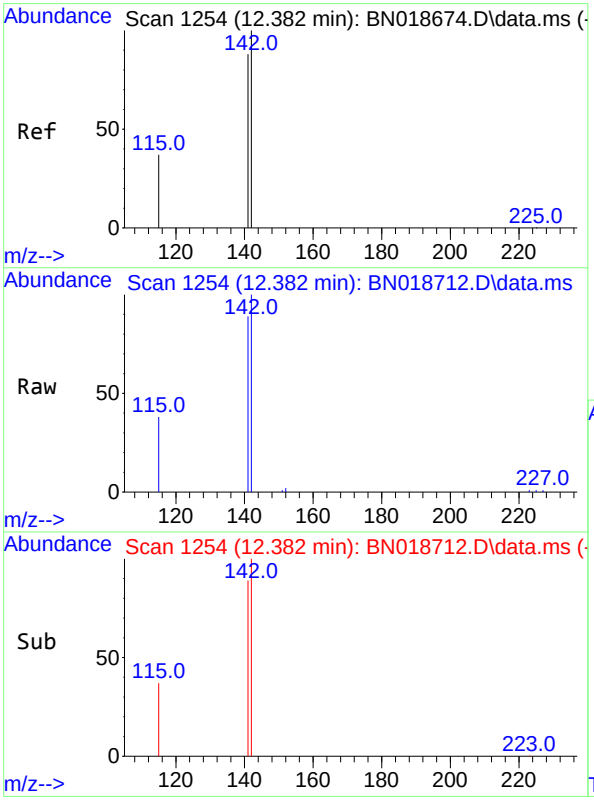
#11
2-Methylnaphthalene-d10
Concen: 0.326 ng
RT: 12.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:152 Resp: 7487

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.2

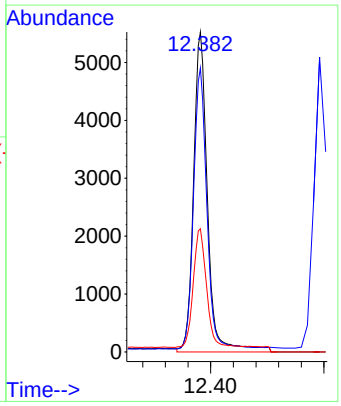


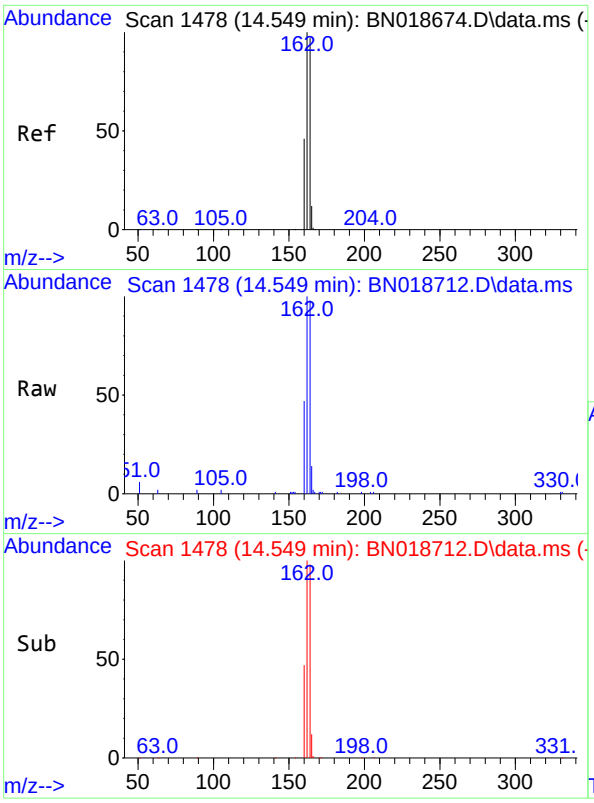


#12
2-Methylnaphthalene
Concen: 0.333 ng
RT: 12.382 min Scan# 1254
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:142 Resp: 9810

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.0	105.0
115	38.5	27.8	41.8



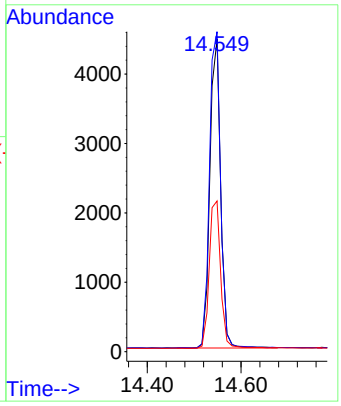


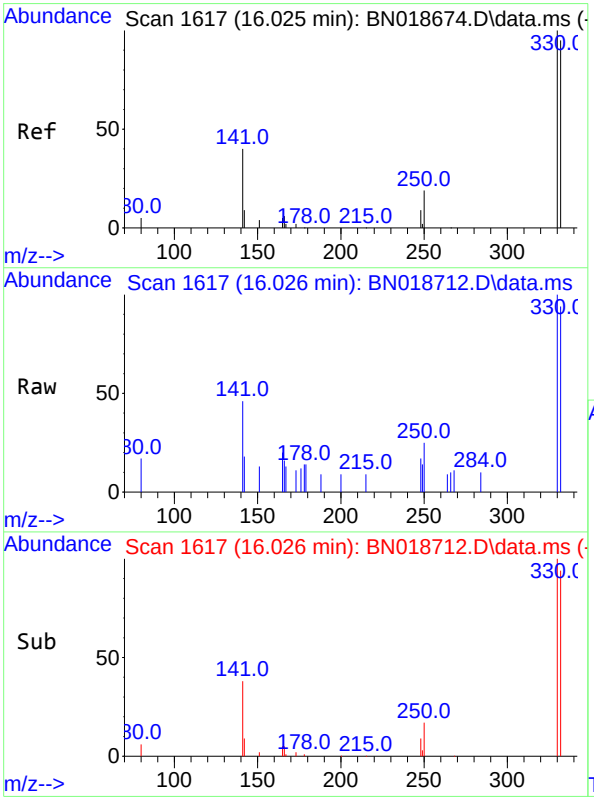
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.549 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:164 Resp: 7122

Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.2	120.2
160	48.2	36.9	55.3

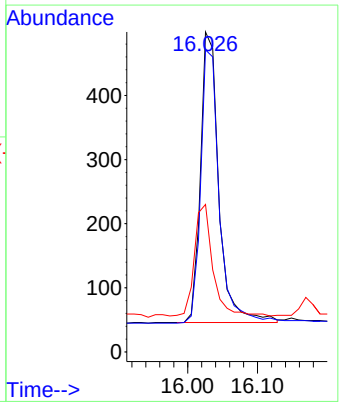


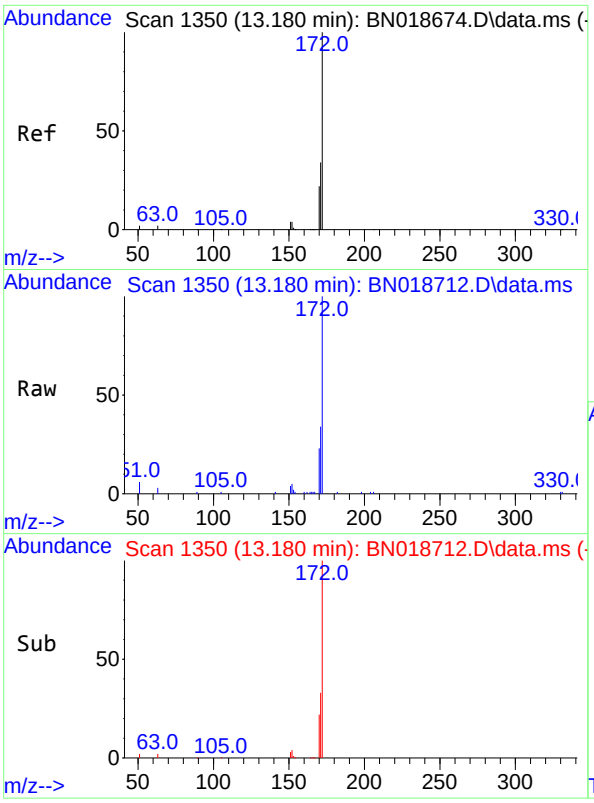


#14
2,4,6-Tribromophenol
Concen: 0.297 ng
RT: 16.026 min Scan# 1617
Delta R.T. 0.001 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:330 Resp: 826

Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	39.1	21.3	31.9#



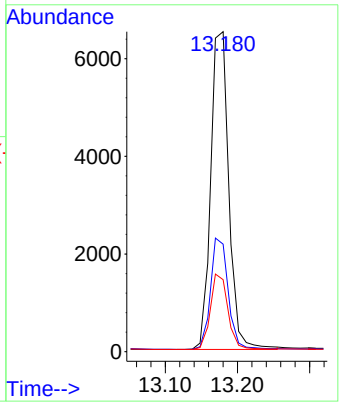


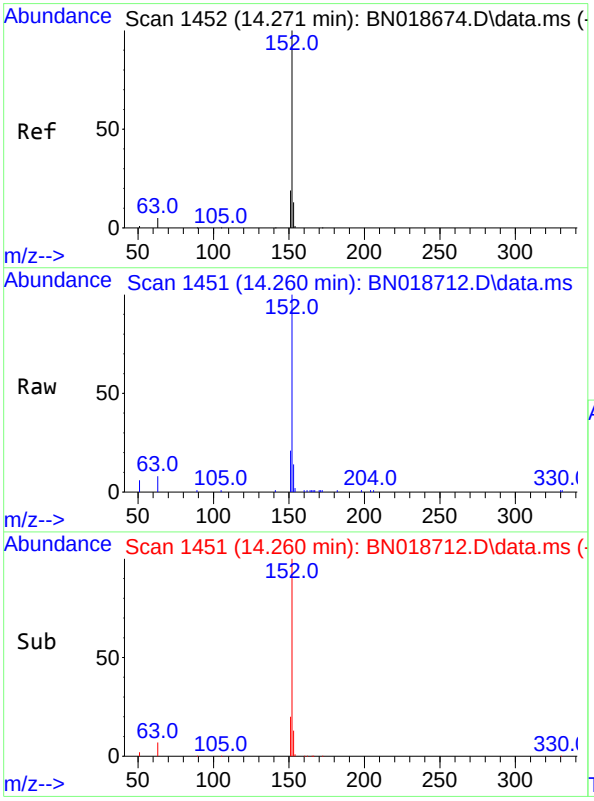
#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 13.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:172 Resp: 11353

Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.4	41.0
170	22.5	18.4	27.6

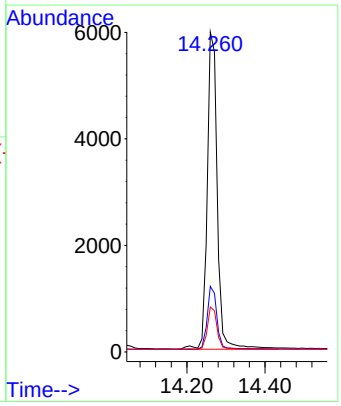


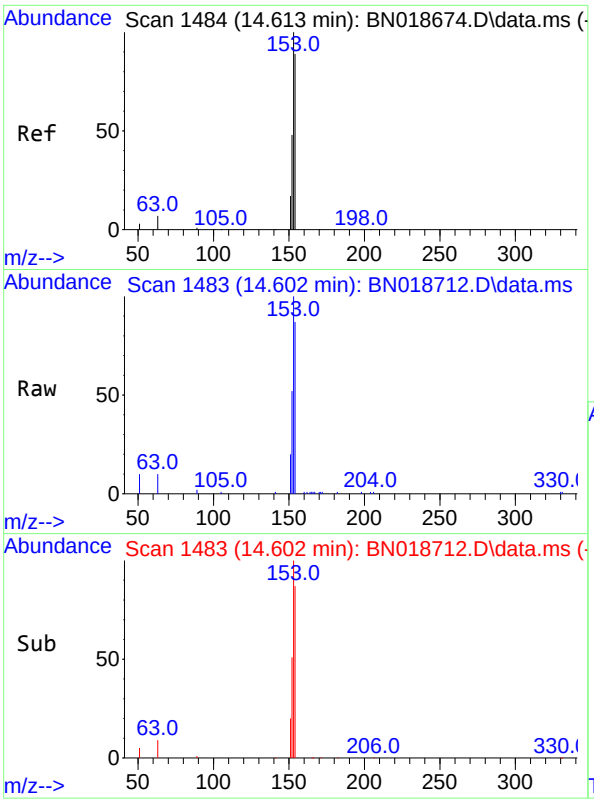


#16
Acenaphthylene
Concen: 0.314 ng
RT: 14.260 min Scan# 1451
Delta R.T. -0.011 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:152 Resp: 10623

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	13.1	10.5	15.7



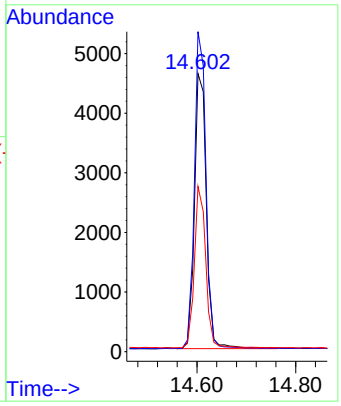


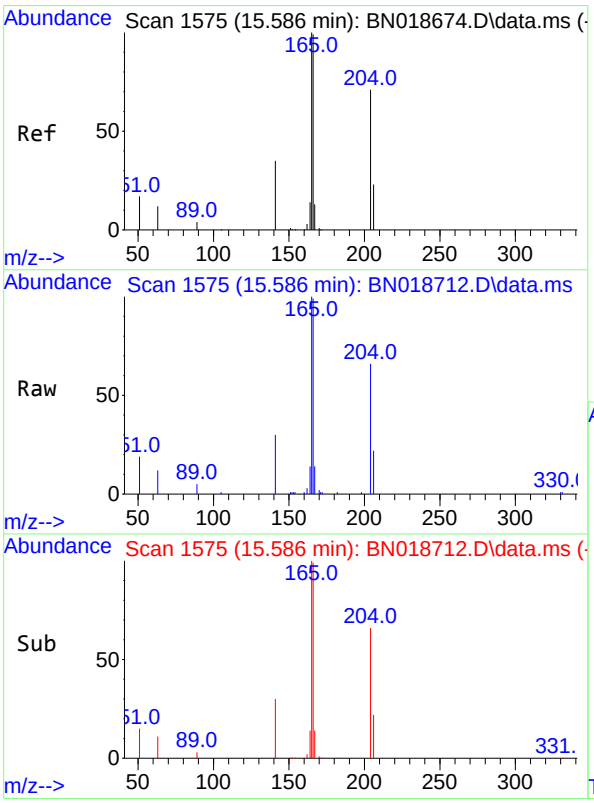
#17
Acenaphthene
Concen: 0.329 ng
RT: 14.602 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:154 Resp: 7676

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.9	136.3
152	56.6	45.0	67.4

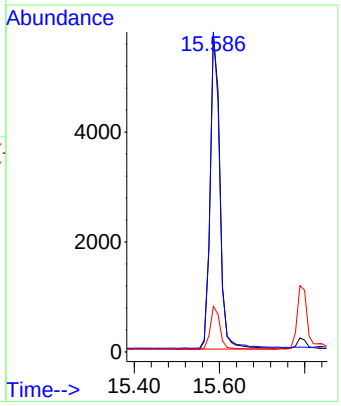


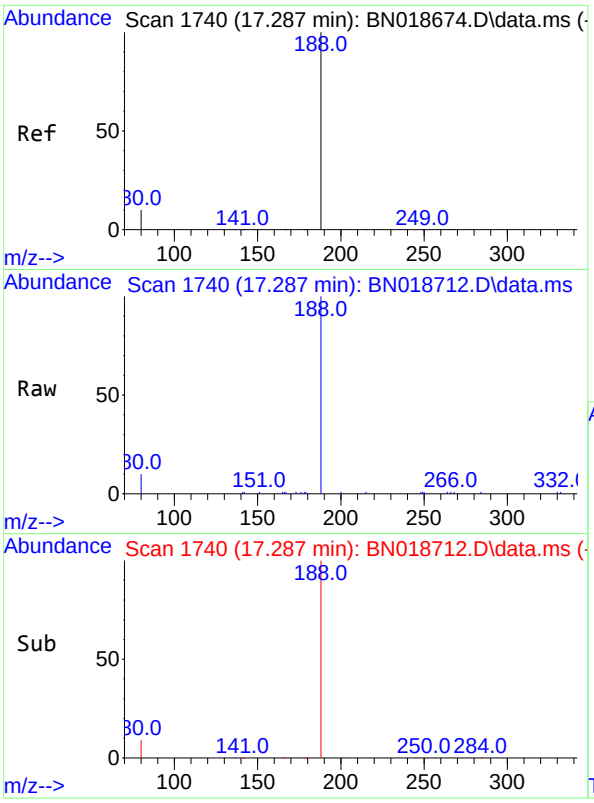


#18
Fluorene
Concen: 0.325 ng
RT: 15.586 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:166 Resp: 9121

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.8	116.6
167	13.6	10.9	16.3



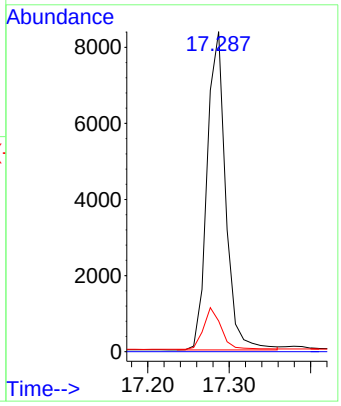


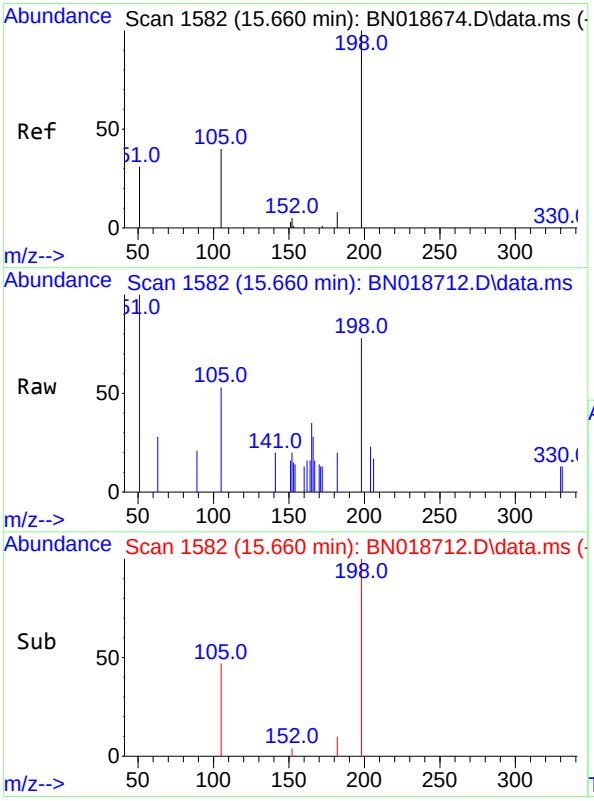
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:188 Resp: 13199

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	7.0	10.4

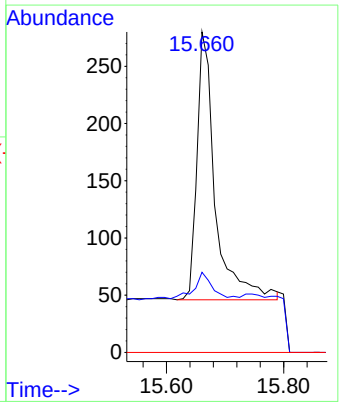


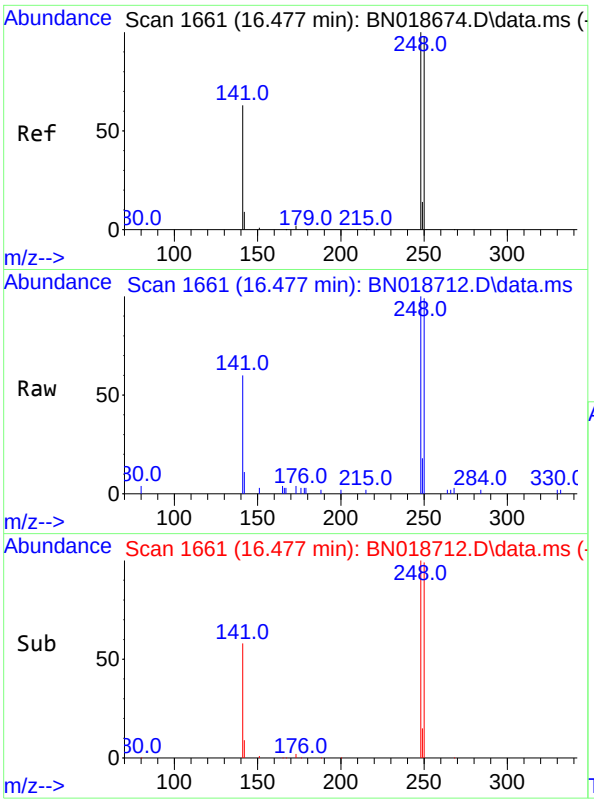


#20
4,6-Dinitro-2-methylphenol
Concen: 0.325 ng
RT: 15.660 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:198 Resp: 509

Ion	Ratio	Lower	Upper
198	100		
182	25.0	15.5	23.3#
77	0.0	0.0	0.0



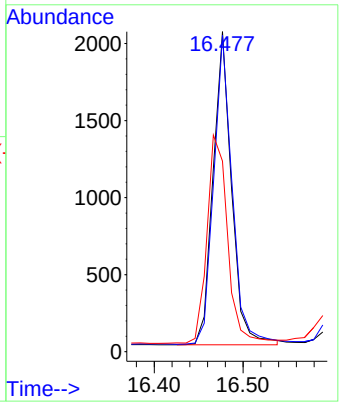


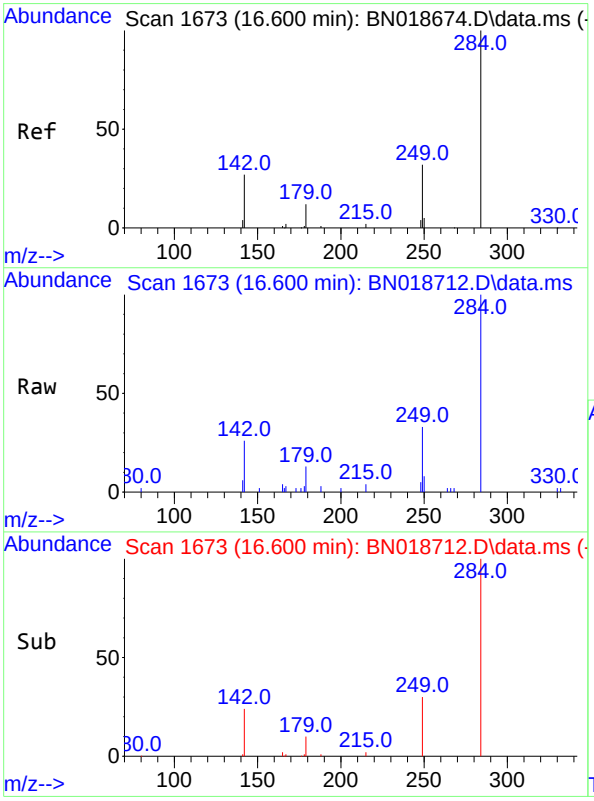
#21
4-Bromophenyl-phenylether
Concen: 0.313 ng
RT: 16.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:248 Resp: 2940

Ion	Ratio	Lower	Upper
248	100		
250	98.8	74.4	111.6
141	59.6	43.7	65.5

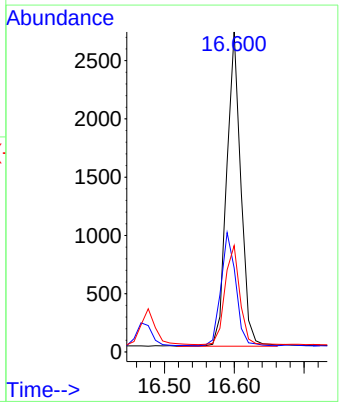


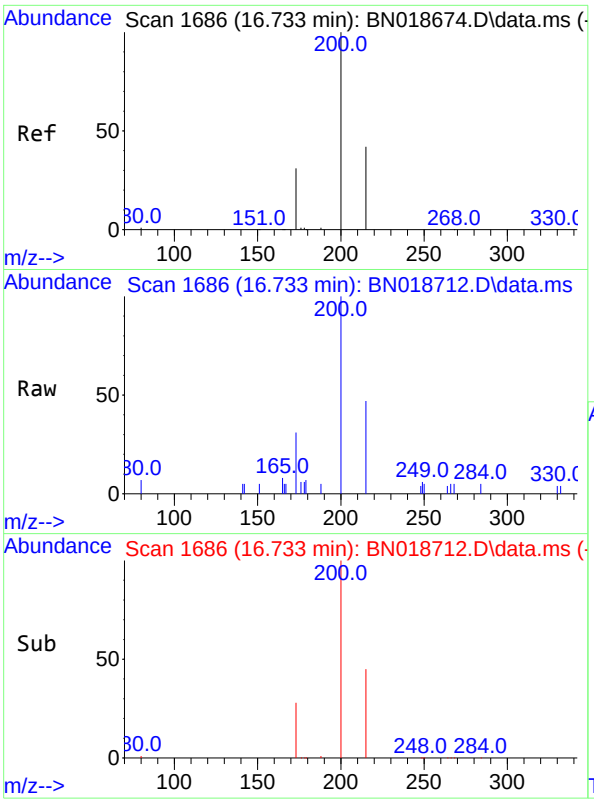


#22
Hexachlorobenzene
Concen: 0.324 ng
RT: 16.600 min Scan# 1673
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:284 Resp: 3799

Ion	Ratio	Lower	Upper
284	100		
142	37.9	21.6	32.4#
249	32.9	23.5	35.3



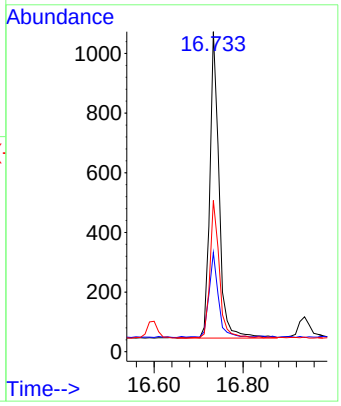


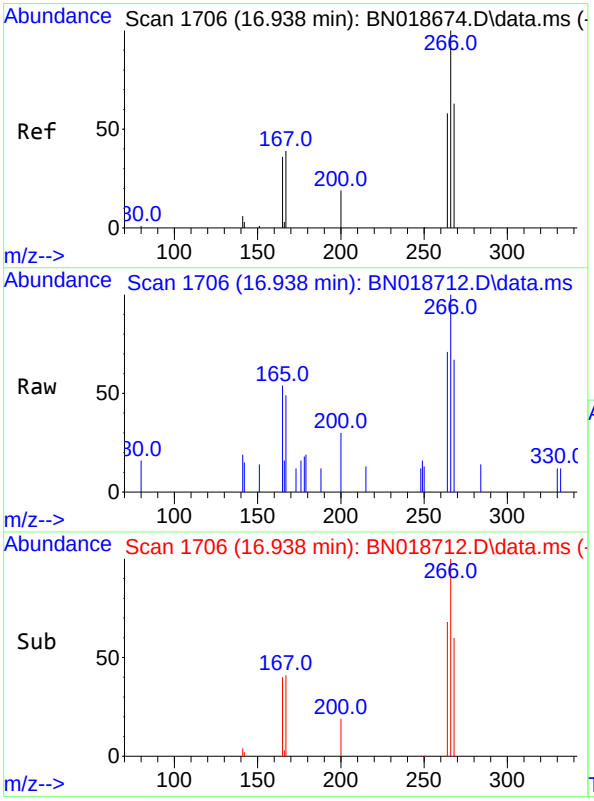
#23
Atrazine
Concen: 0.288 ng
RT: 16.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:200 Resp: 1490

Ion	Ratio	Lower	Upper
200	100		
173	30.9	20.3	30.5#
215	47.3	40.4	60.6

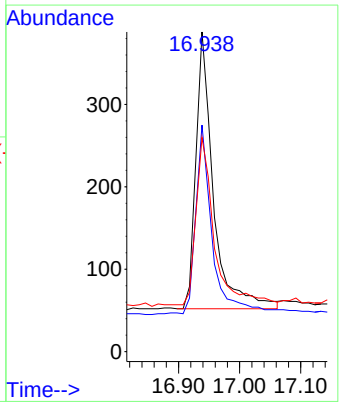


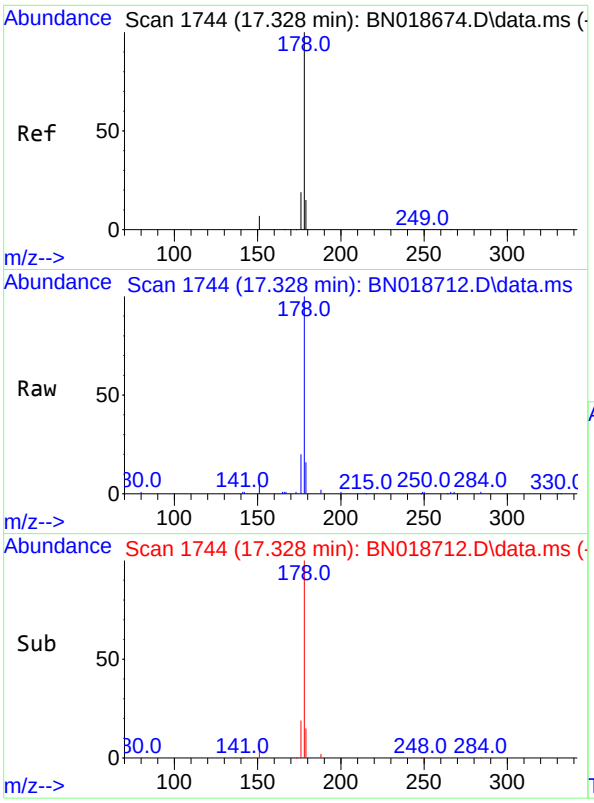


#24
Pentachlorophenol
Concen: 0.335 ng
RT: 16.938 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:266 Resp: 670

Ion	Ratio	Lower	Upper
266	100		
264	67.0	49.5	74.3
268	62.8	50.6	76.0



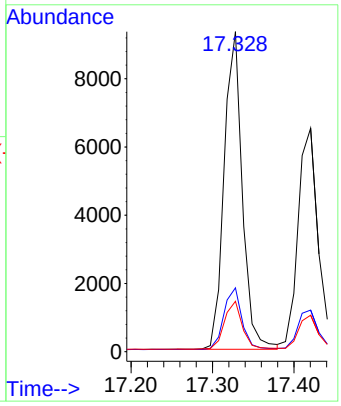


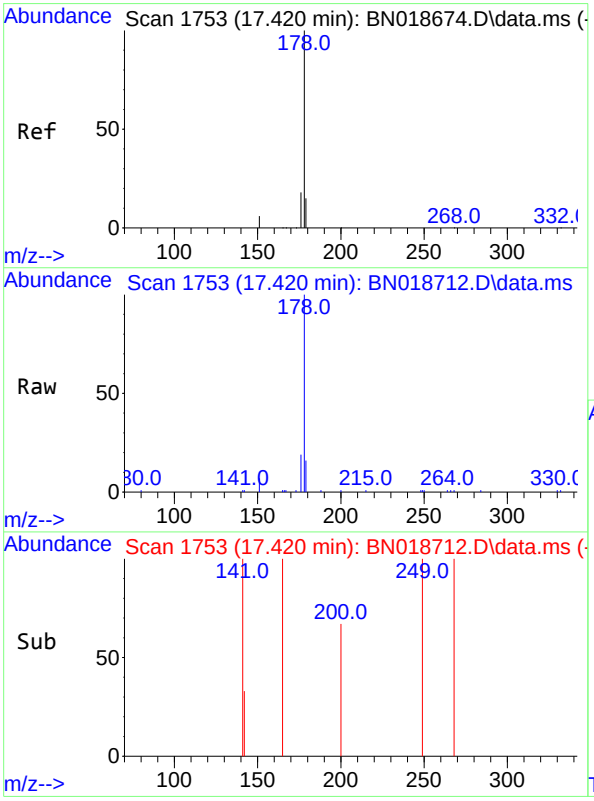
#25
Phenanthrene
Concen: 0.327 ng
RT: 17.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:178 Resp: 14436

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.0	12.3	18.5

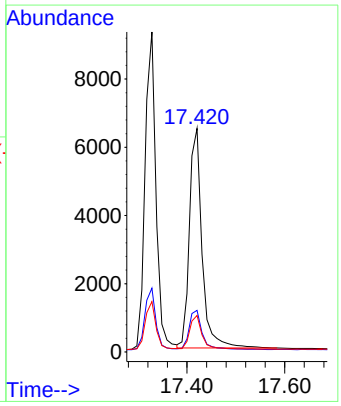


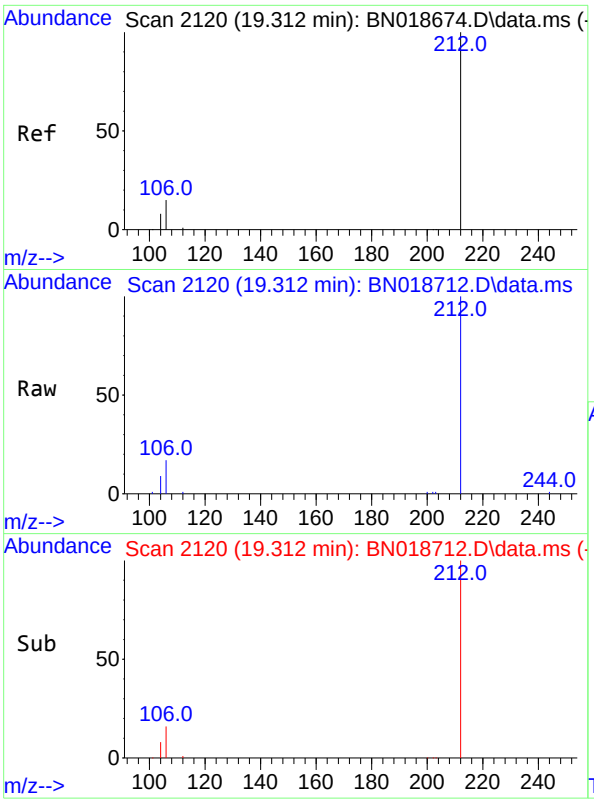


#26
Anthracene
Concen: 0.309 ng
RT: 17.420 min Scan# 1753
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:178 Resp: 11562

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.0	12.2	18.4



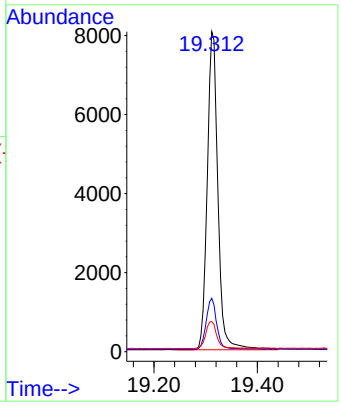


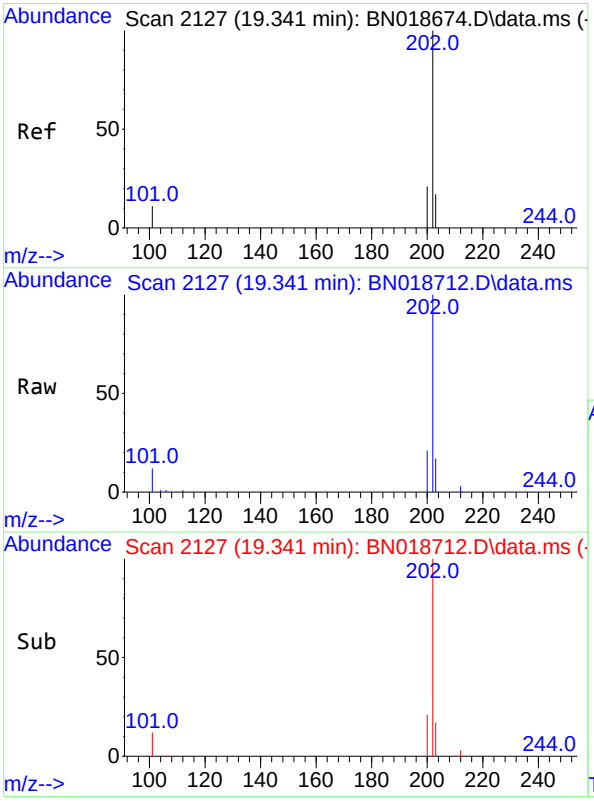
#27
Fluoranthene-d10
Concen: 0.322 ng
RT: 19.312 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:212 Resp: 11541

Ion	Ratio	Lower	Upper
212	100		
106	15.9	8.4	12.6#
104	8.8	4.5	6.7#

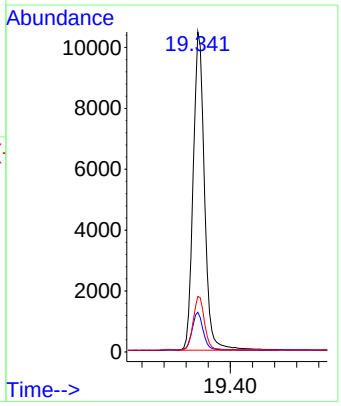


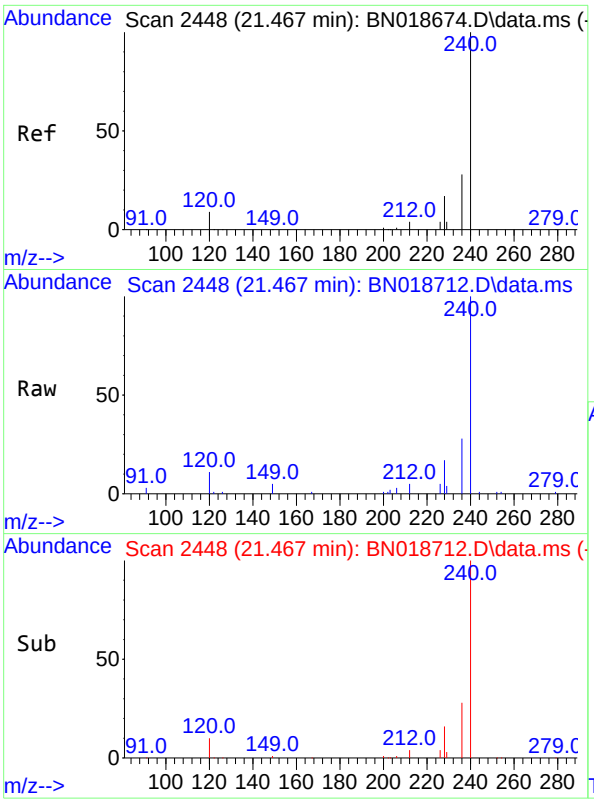


#28
Fluoranthene
Concen: 0.321 ng
RT: 19.341 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:202 Resp: 14822

Ion	Ratio	Lower	Upper
202	100		
101	11.6	7.2	10.8#
203	16.7	13.7	20.5



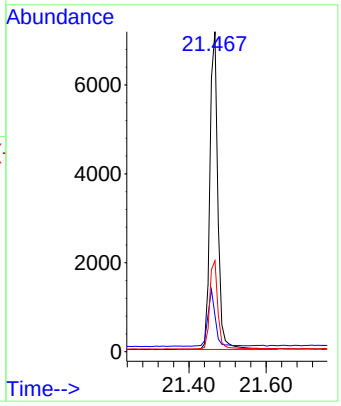


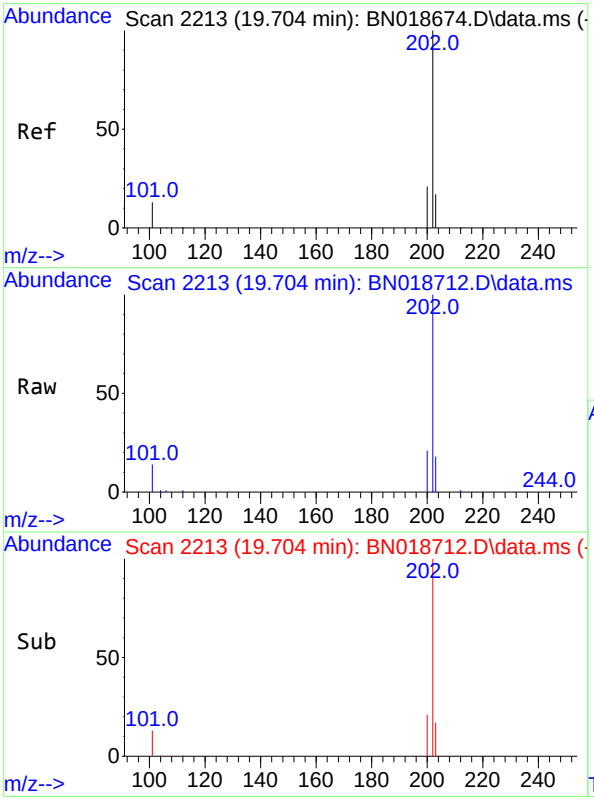
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.467 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:240 Resp: 10260

Ion	Ratio	Lower	Upper
240	100		
120	11.3	6.0	9.0#
236	28.5	21.4	32.2

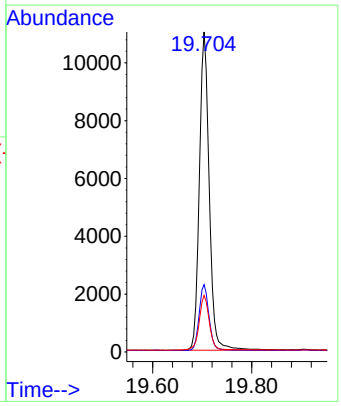


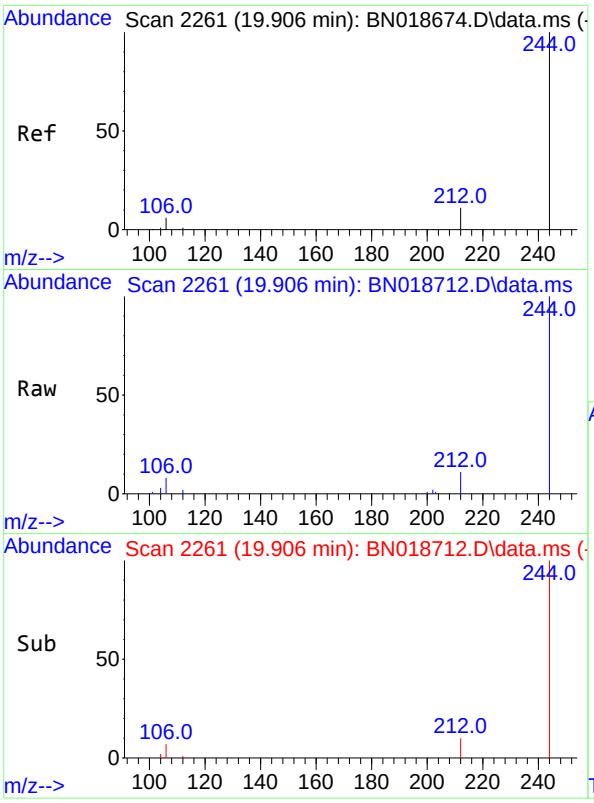


#30
Pyrene
Concen: 0.333 ng
RT: 19.704 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:202 Resp: 15246

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.7	14.1	21.1



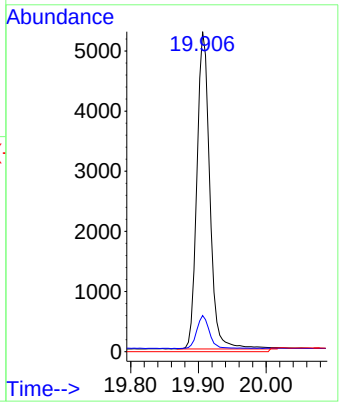


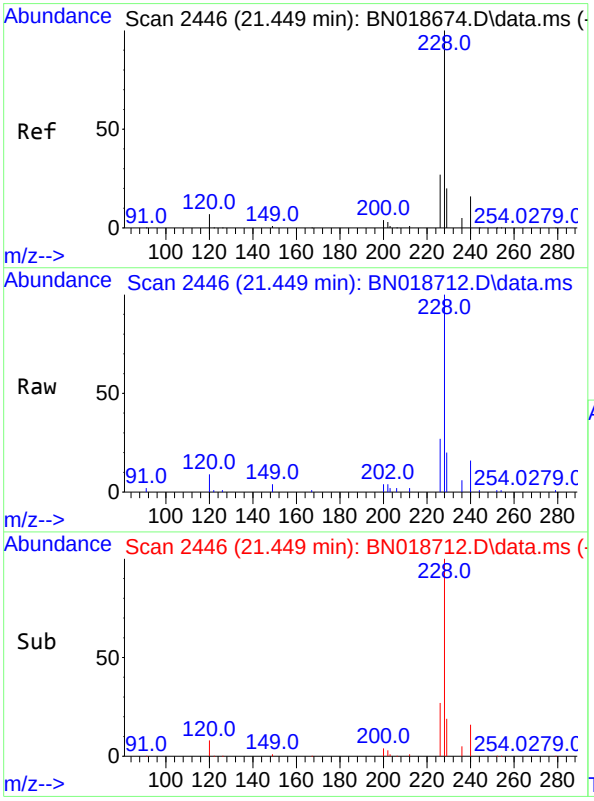
#31
Terphenyl-d14
Concen: 0.323 ng
RT: 19.906 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:244 Resp: 7191

Ion	Ratio	Lower	Upper
244	100		
212	11.3	6.2	9.2#
122	0.0	7.9	11.9#

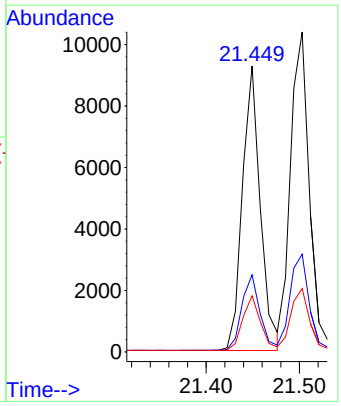


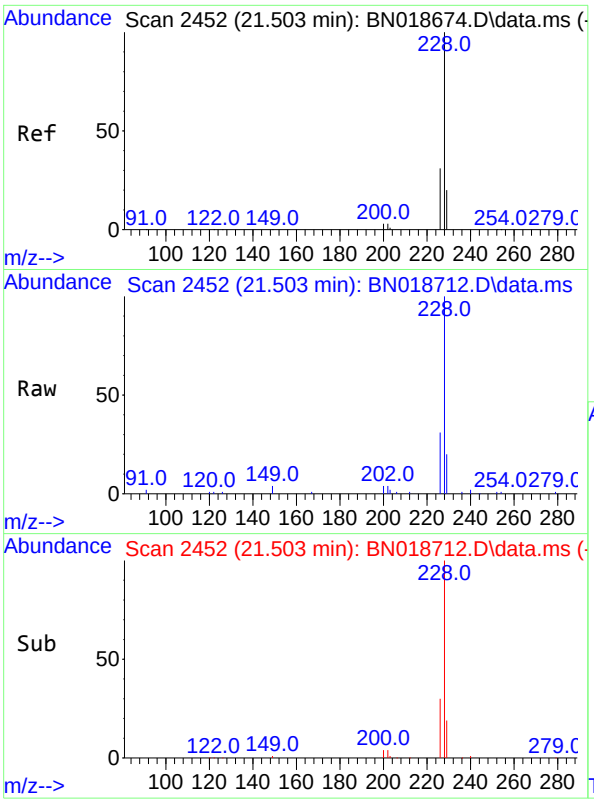


#32
Benzo(a)anthracene
Concen: 0.319 ng
RT: 21.449 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:228 Resp: 12395

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	19.7	15.9	23.9



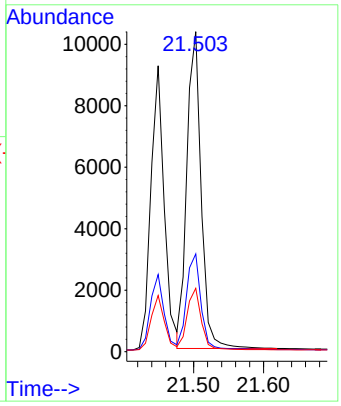


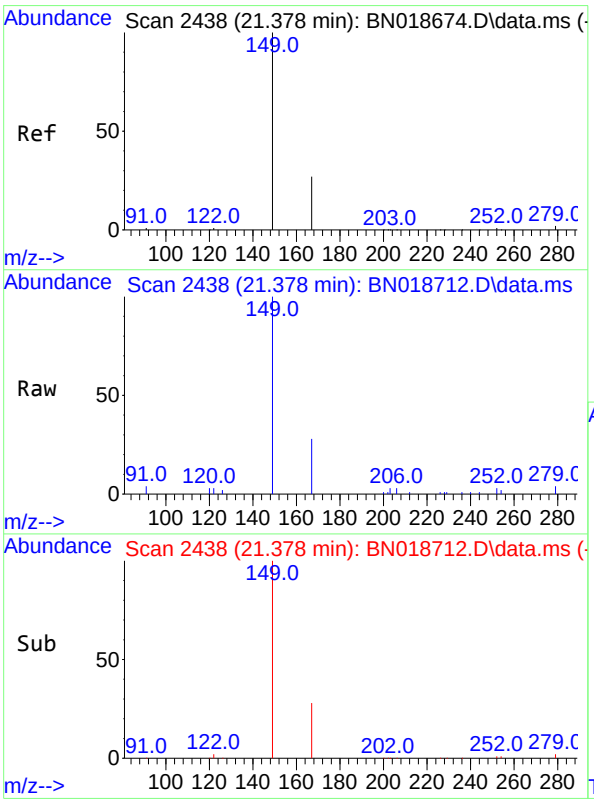
#33
Chrysene
Concen: 0.336 ng
RT: 21.503 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:228 Resp: 14593

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.4
229	19.8	15.5	23.3

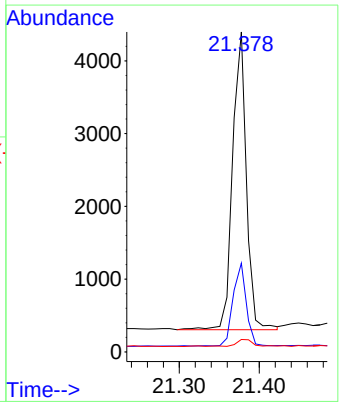


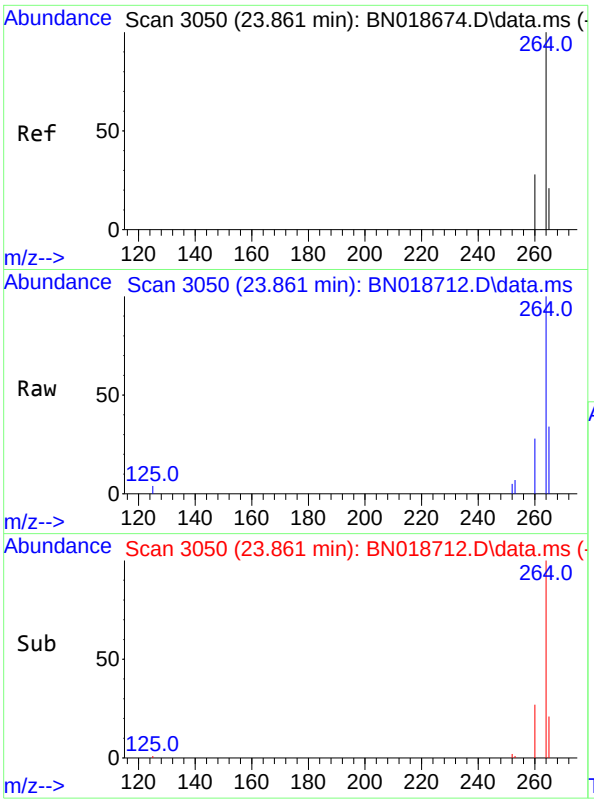


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.310 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:149 Resp: 4896

Ion	Ratio	Lower	Upper
149	100		
167	26.5	23.7	35.5
279	2.5	3.6	5.4#



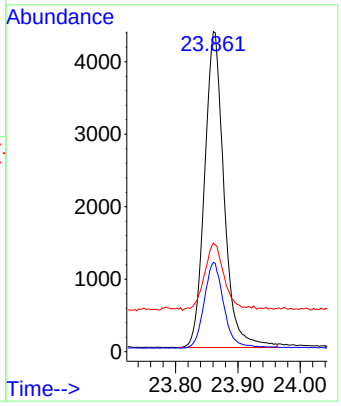


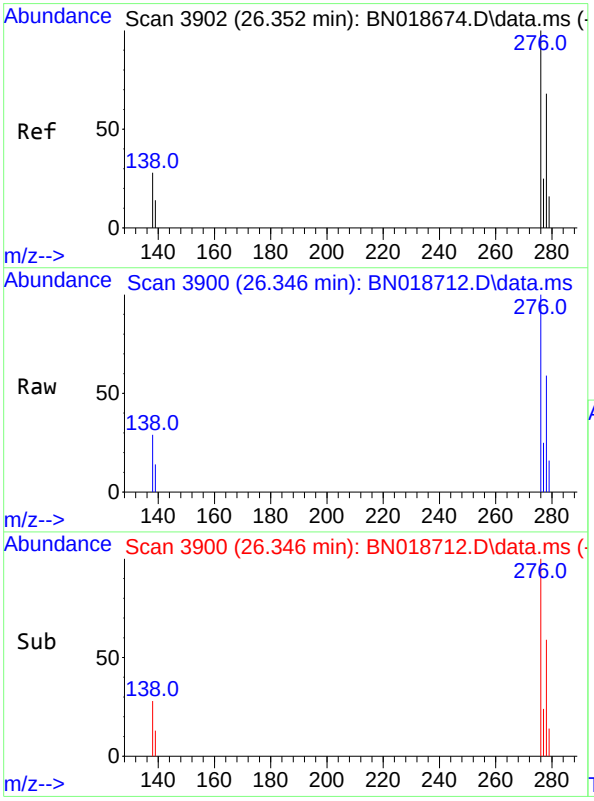
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.861 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:264 Resp: 9448

Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.2	30.4
265	34.0	18.2	27.2#

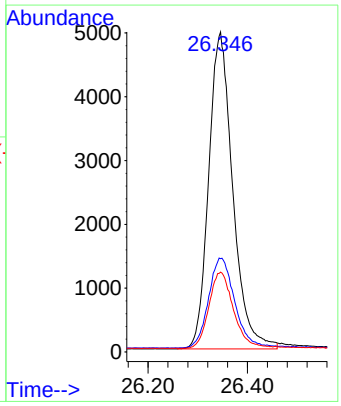


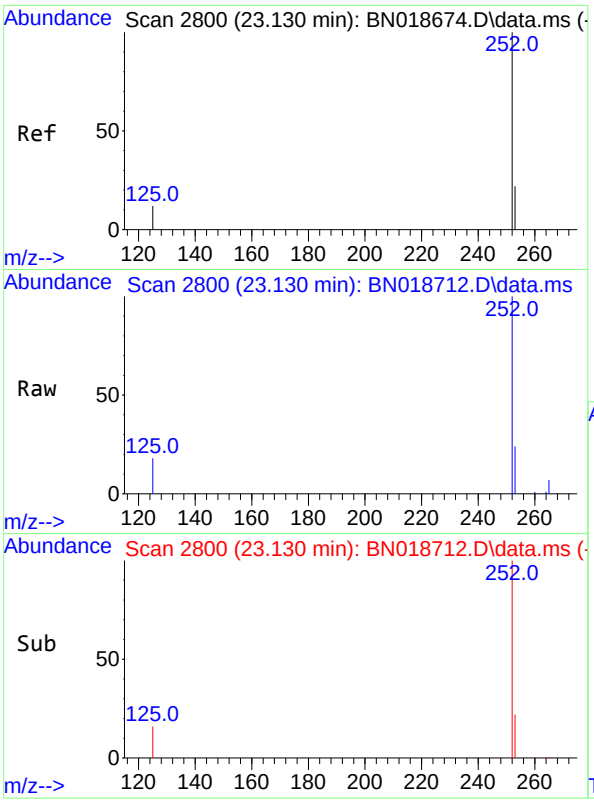


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.334 ng
RT: 26.346 min Scan# 3900
Delta R.T. -0.006 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:276 Resp: 16687

Ion	Ratio	Lower	Upper
276	100		
138	30.9	14.9	22.3#
277	24.8	19.9	29.9



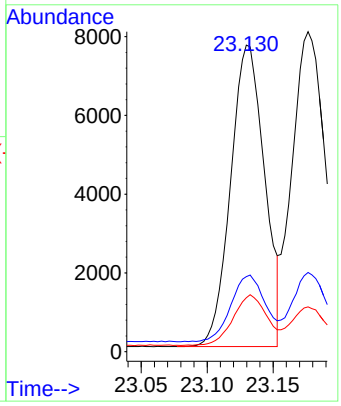


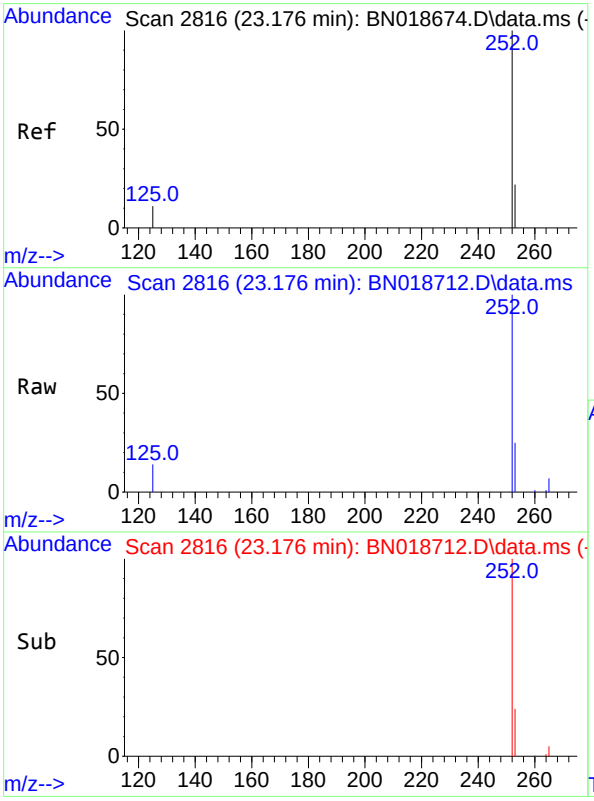
#37
Benzo(b)fluoranthene
Concen: 0.319 ng
RT: 23.130 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:252 Resp: 13681

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	17.6	6.0	9.0#

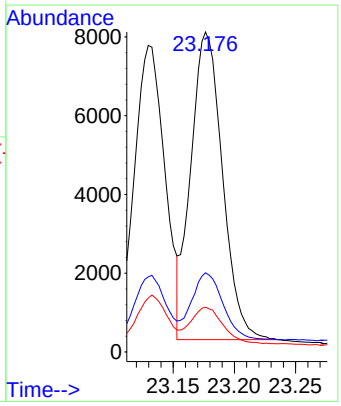


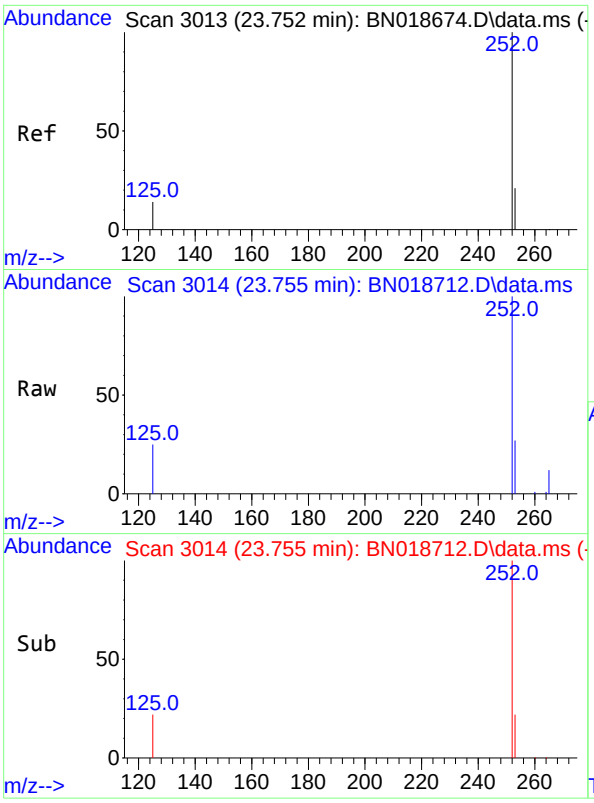


#38
Benzo(k)fluoranthene
Concen: 0.330 ng
RT: 23.176 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:252 Resp: 14047

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	14.0	6.2	9.2#



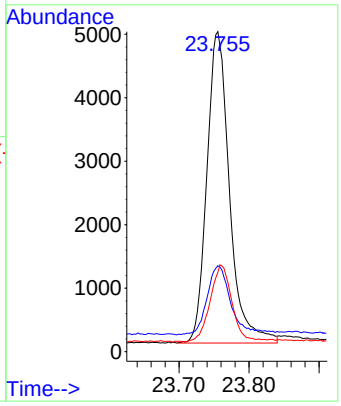


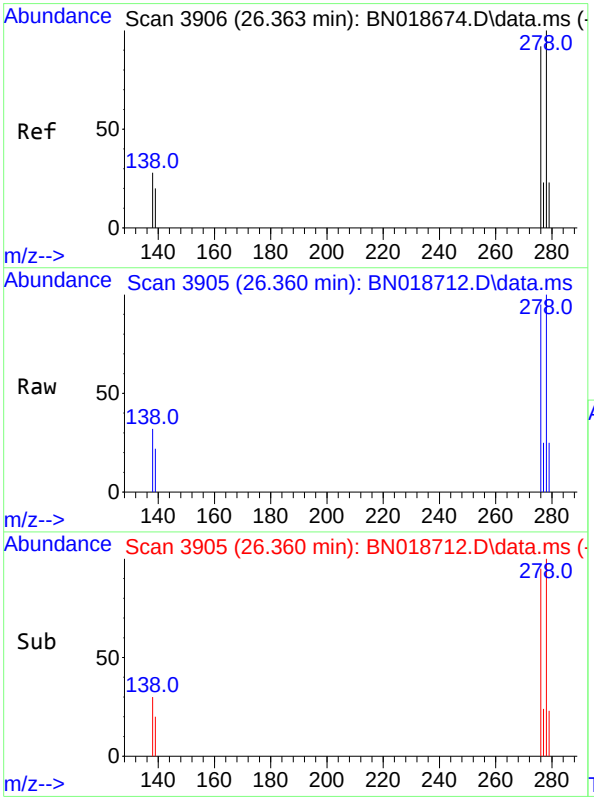
#39
Benzo(a)pyrene
Concen: 0.322 ng
RT: 23.755 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:252 Resp: 11024

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.8	26.6#
125	24.8	7.0	10.4#

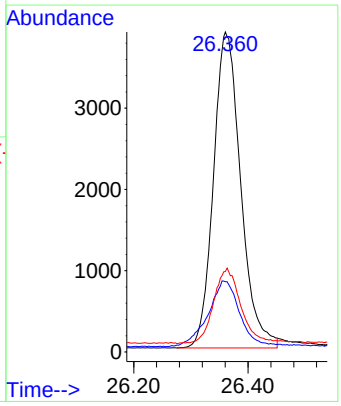


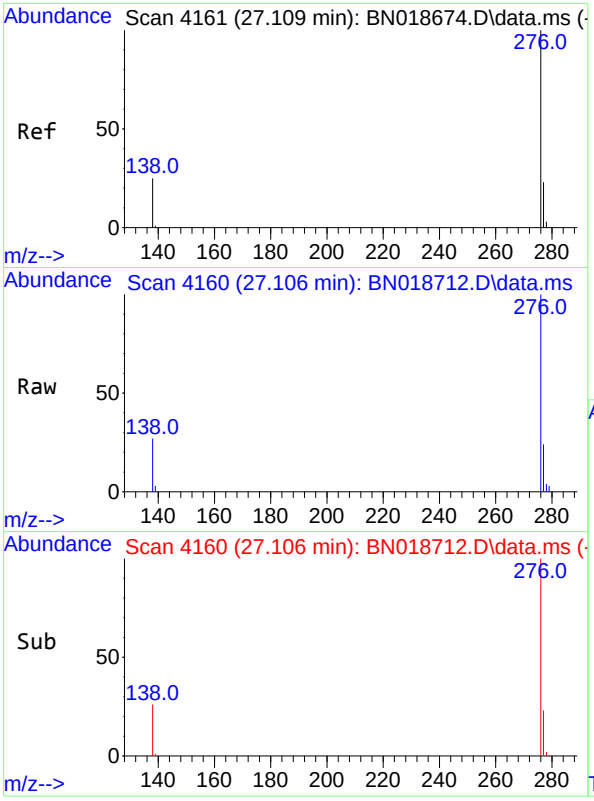


#40
Dibenzo(a,h)anthracene
Concen: 0.330 ng
RT: 26.360 min Scan# 3905
Delta R.T. -0.003 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Tgt Ion:278 Resp: 12858

Ion	Ratio	Lower	Upper
278	100		
139	21.9	10.8	16.2#
279	25.2	19.0	28.4





#41
Benzo(g,h,i)perylene
Concen: 0.321 ng
RT: 27.106 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN018712.D
Acq: 24 Feb 2022 17:46

Instrument :
BNA_N
ClientSampleId :
PB142900BSD

Tgt Ion:276 Resp: 13682

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	27.3	12.6	19.0#