Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042122\
Data File : BN019514.D
Acq On : 20 Apr 2022 15:32
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Apr 20 16:11:57 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN042122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 20 15:55:07 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	5284	0.400	ng		0.00
7) Naphthalene-d8	10.603	136	14236	0.400	ng		#-0.01
13) Acenaphthene-d10	14.443	164	8721	0.400	ng		0.00
19) Phenanthrene-d10	17.186	188	18792	0.400	ng		-0.01
29) Chrysene-d12	21.375	240	15492	0.400	ng		# 0.00
35) Perylene-d12	23.732	264	12175	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.364	112	18117	1.280	ng		0.00
5) Phenol-d6	6.974	99	22230	1.305	ng		0.00
8) Nitrobenzene-d5	8.958	82	17589	1.360	ng		-0.02
11) 2-Methylnaphthalene-d10	12.202	152	37973	1.519	ng		0.00
14) 2,4,6-Tribromophenol	15.935	330	6634	1.252	ng		-0.01
15) 2-Fluorobiphenyl	13.075	172	58364	1.610	ng		-0.01
27) Fluoranthene-d10	19.220	212	91170	1.506	ng		0.00
31) Terphenyl-d14	19.819	244	54641	1.623	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.197	88	11066	1.752	ng		97
3) n-Nitrosodimethylamine	3.522	42	11395	1.362	ng	#	95
6) bis(2-Chloroethyl)ether	7.220	93	24020	1.402	ng		94
9) Naphthalene	10.656	128	66423	1.581	ng		99
10) Hexachlorobutadiene	10.955	225	14129	1.544	ng	#	100
12) 2-Methylnaphthalene	12.274	142	44356	1.523	ng		98
16) Acenaphthylene	14.165	152	68267	1.577	ng		99
17) Acenaphthene	14.507	154	45129	1.568	ng		99
18) Fluorene	15.491	166	60674	1.597	ng		99
20) 4,6-Dinitro-2-methylph...	15.587	198	4652	1.347	ng	#	91
21) 4-Bromophenyl-phenylether	16.386	248	19436	1.536	ng		99
22) Hexachlorobenzene	16.509	284	22965	1.550	ng		98
23) Atrazine	16.653	200	13042	1.249	ng		95
24) Pentachlorophenol	16.858	266	5622	0.976	ng		99
25) Phenanthrene	17.227	178	98160	1.557	ng		100
26) Anthracene	17.319	178	82633	1.490	ng		100
28) Fluoranthene	19.250	202	114709	1.534	ng		99
30) Pyrene	19.617	202	113833	1.579	ng		100
32) Benzo(a)anthracene	21.366	228	85794	1.499	ng		99
33) Chrysene	21.419	228	98709	1.552	ng		99
34) Bis(2-ethylhexyl)phtha...	21.294	149	41096	0.965	ng		99
36) Indeno(1,2,3-cd)pyrene	26.141	276	85026	1.669	ng		98
37) Benzo(b)fluoranthene	23.013	252	81096	1.700	ng		95
38) Benzo(k)fluoranthene	23.060	252	87203	1.749	ng		97
39) Benzo(a)pyrene	23.624	252	70553	1.646	ng	#	93
40) Dibenzo(a,h)anthracene	26.162	278	65045	1.650	ng		98
41) Benzo(g,h,i)perylene	26.878	276	81042	1.715	ng		98

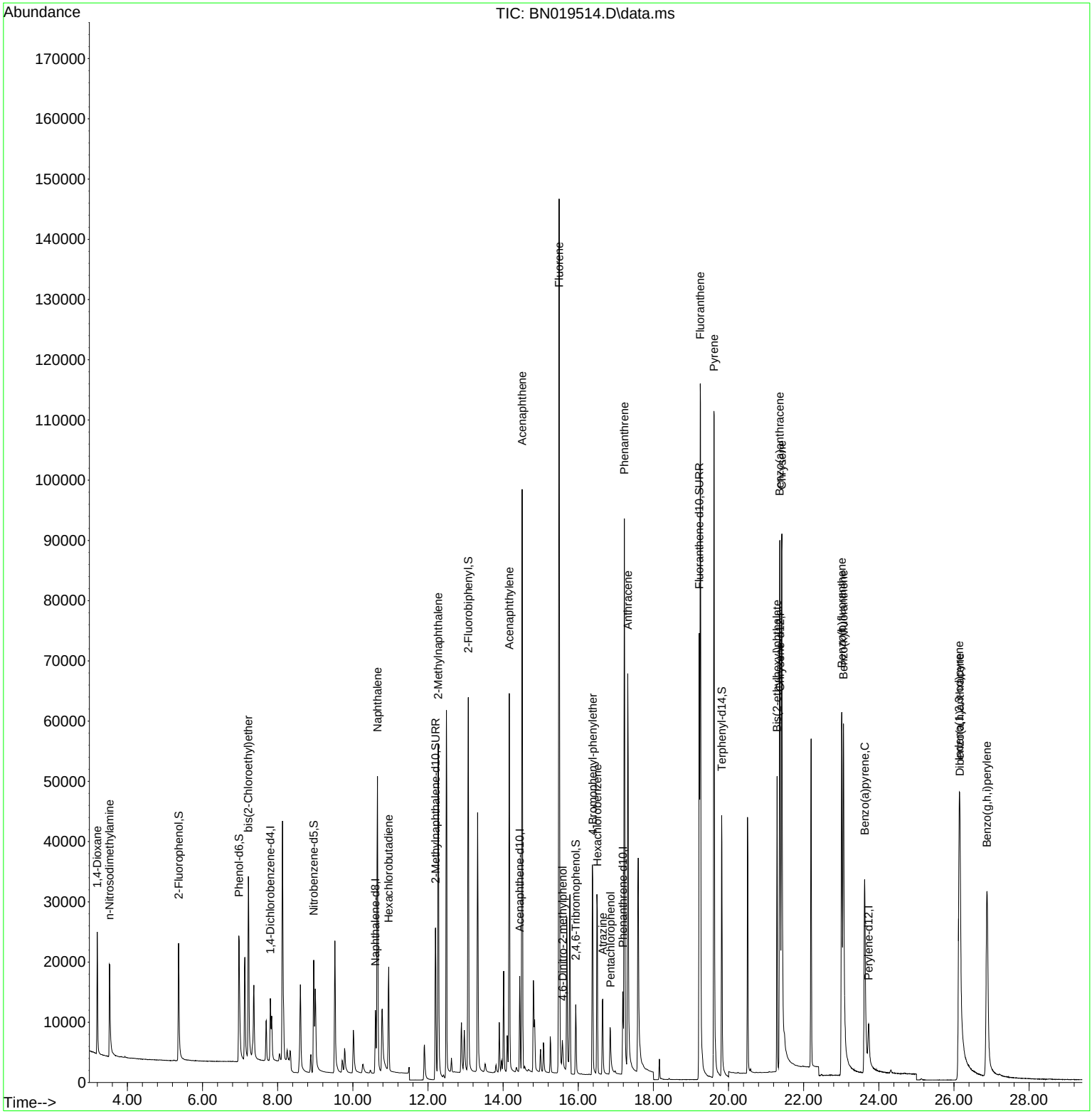
(#) = qualifier out of range (m) = manual integration (+) = signals summed

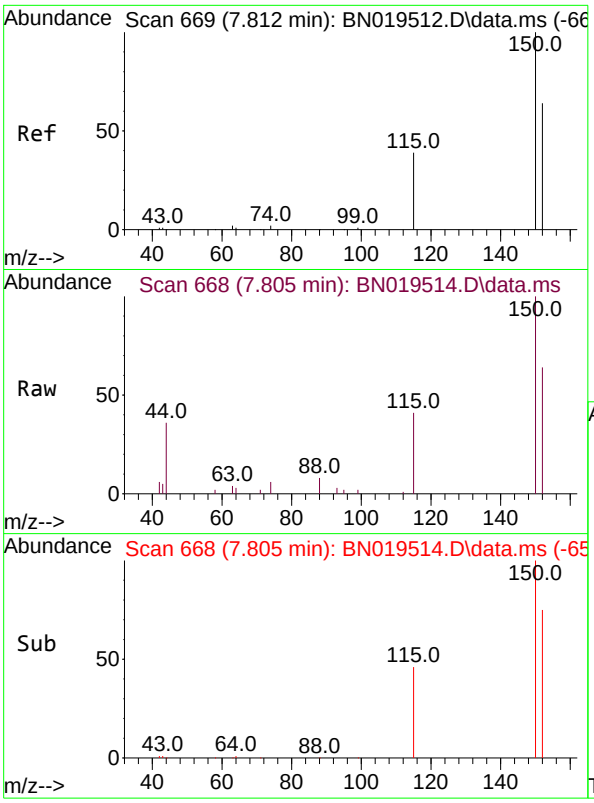
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042122\
Data File : BN019514.D
Acq On : 20 Apr 2022 15:32
Operator : CG/JU
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Quant Time: Apr 20 16:11:57 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN042122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 20 15:55:07 2022
Response via : Initial Calibration



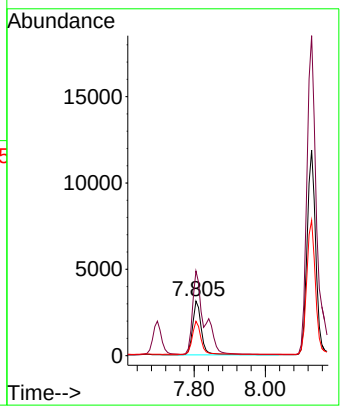


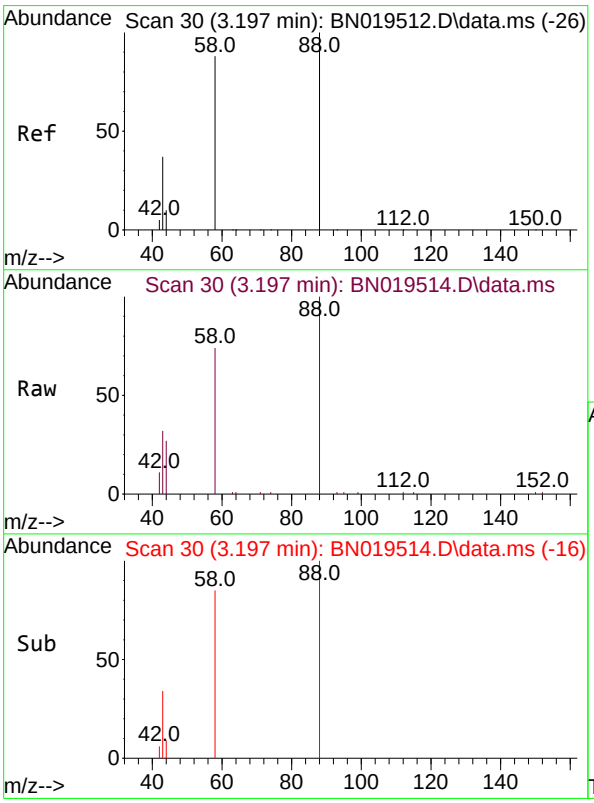
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.805 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 5284

Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.9	185.9
115	63.2	48.2	72.4

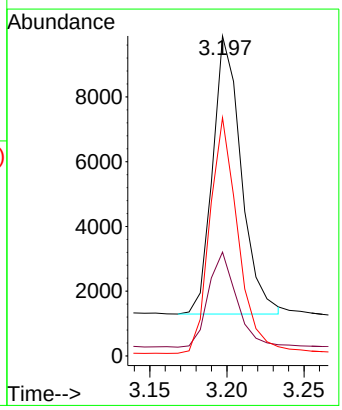


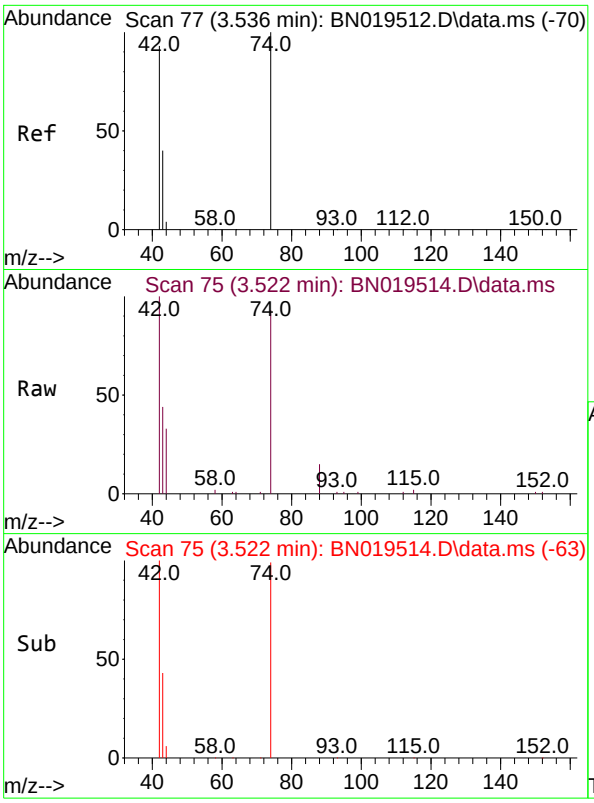


#2
1,4-Dioxane
Concen: 1.752 ng
RT: 3.197 min Scan# 30
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion: 88 Resp: 11066

Ion	Ratio	Lower	Upper
88	100		
43	33.5	24.6	37.0
58	83.4	65.4	98.2



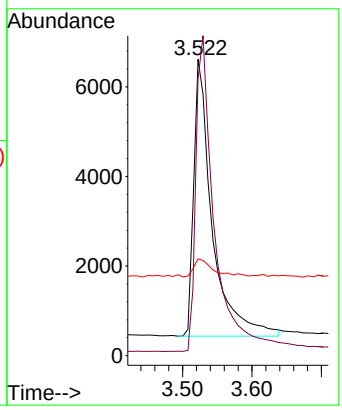


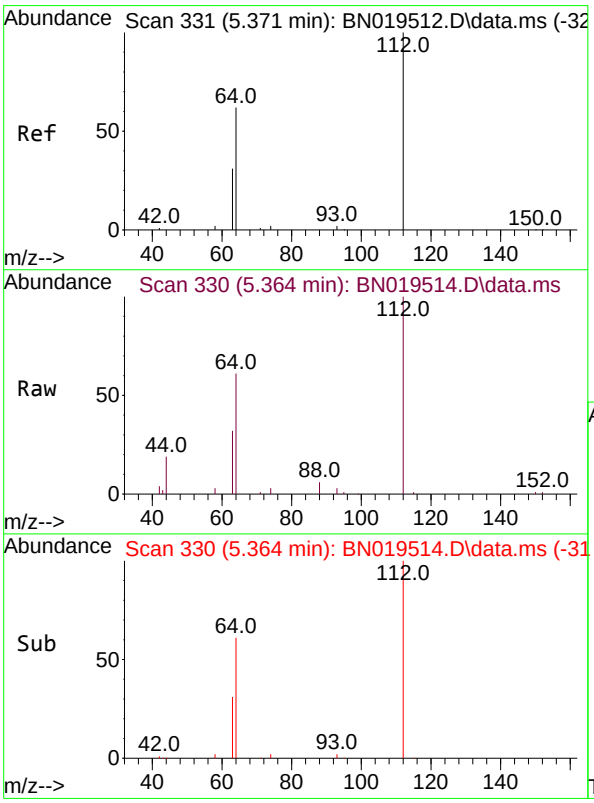
#3
n-Nitrosodimethylamine
Concen: 1.362 ng
RT: 3.522 min Scan# 7
Delta R.T. -0.014 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 11395

Ion	Ratio	Lower	Upper
42	100		
74	115.7	96.9	145.3
44	7.0	7.3	10.9#

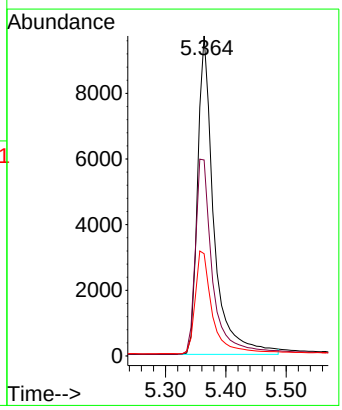


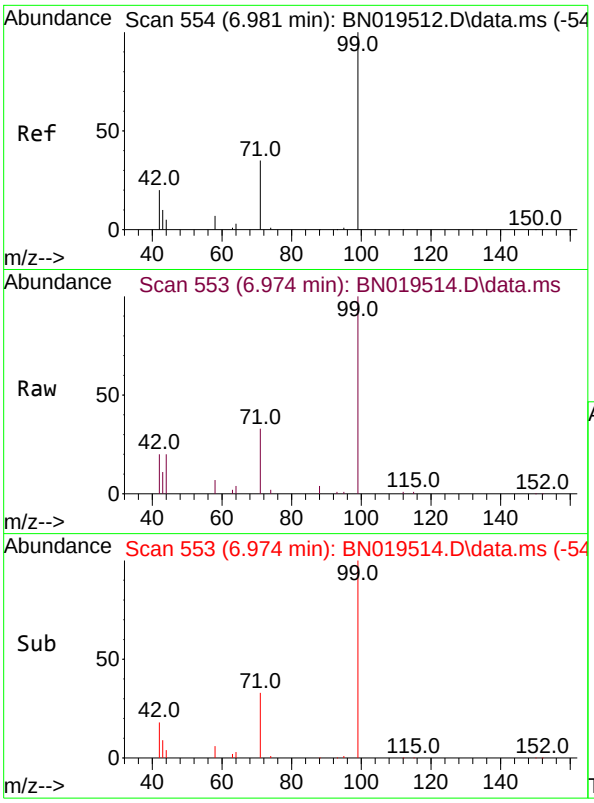


#4
2-Fluorophenol
Concen: 1.280 ng
RT: 5.364 min Scan# 330
Delta R.T. -0.007 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:112 Resp: 18117

Ion	Ratio	Lower	Upper
112	100		
64	65.1	47.8	71.8
63	34.1	25.7	38.5



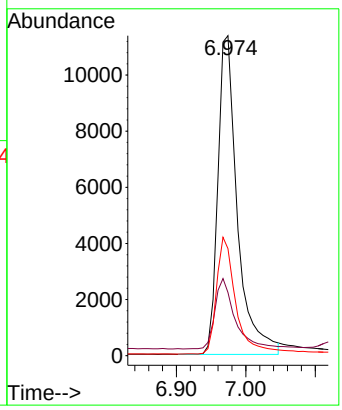


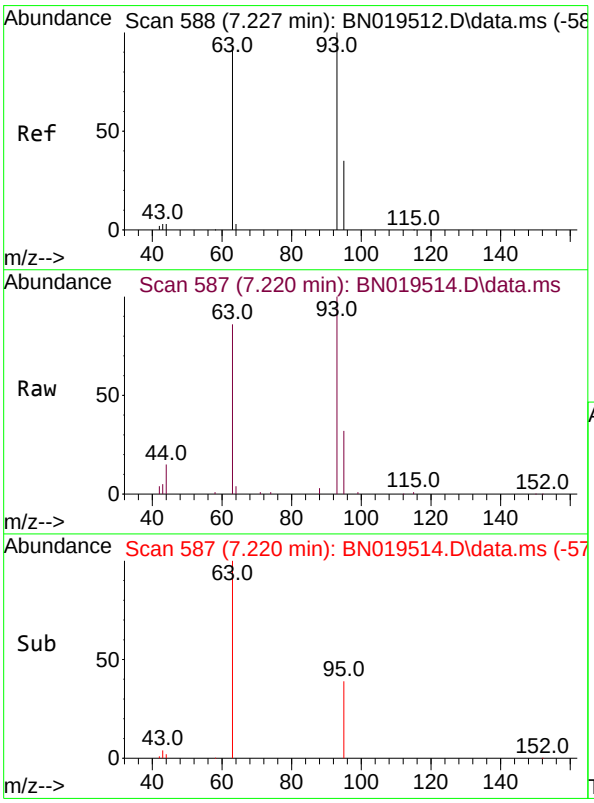
#5
Phenol-d6
Concen: 1.305 ng
RT: 6.974 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 22230

Ion	Ratio	Lower	Upper
99	100		
42	22.9	16.2	24.4
71	36.0	27.7	41.5

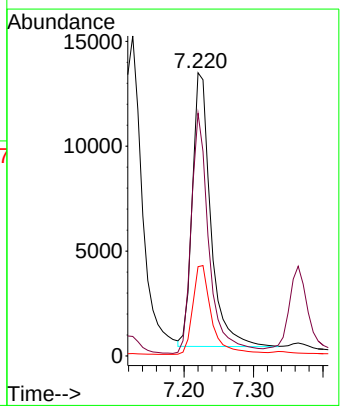


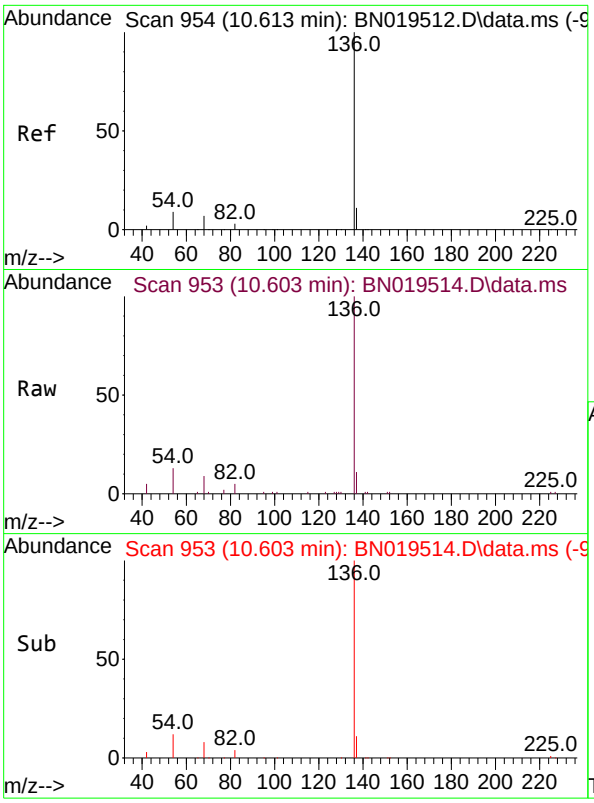


#6
bis(2-Chloroethyl)ether
Concen: 1.402 ng
RT: 7.220 min Scan# 587
Delta R.T. -0.007 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion: 93 Resp: 24020

Ion	Ratio	Lower	Upper
93	100		
63	85.2	62.8	94.2
95	33.5	26.2	39.4



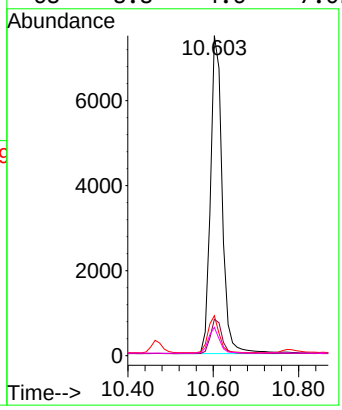


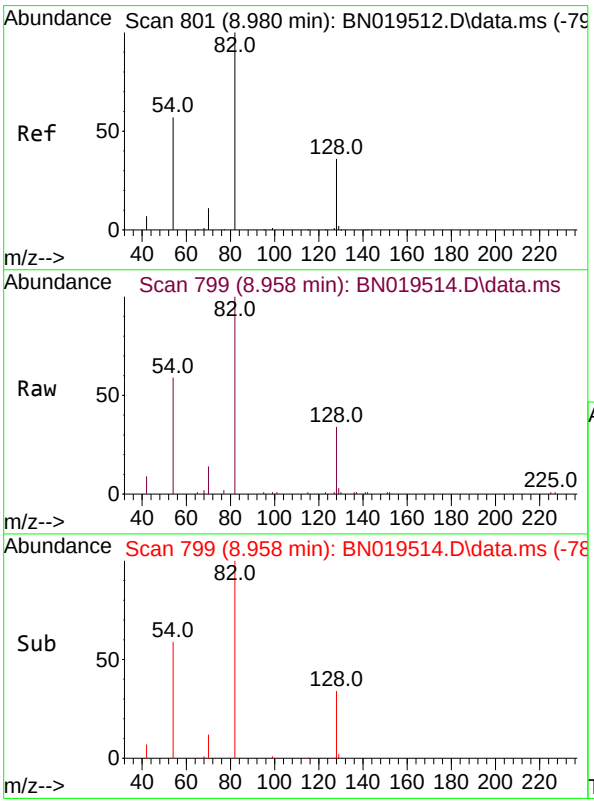
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.603 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 14236

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	12.5	5.8	8.6#
68	8.8	4.6	7.0#

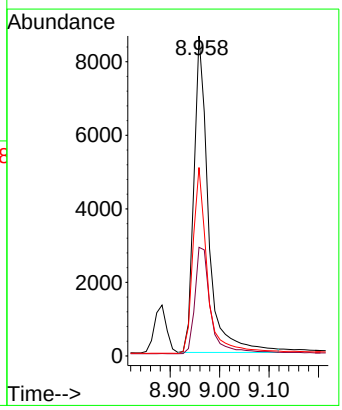


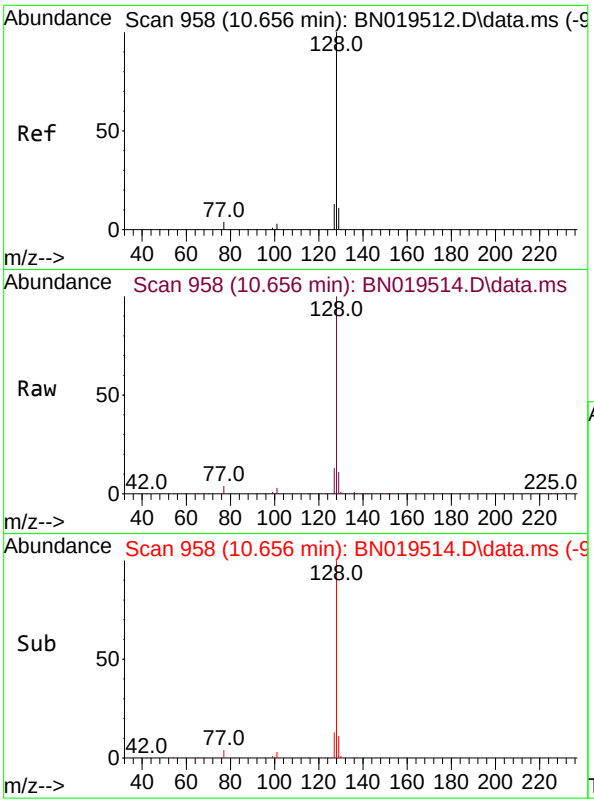


#8
Nitrobenzene-d5
Concen: 1.360 ng
RT: 8.958 min Scan# 799
Delta R.T. -0.021 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion: 82 Resp: 17589

Ion	Ratio	Lower	Upper
82	100		
128	34.0	33.0	49.6
54	58.9	42.5	63.7



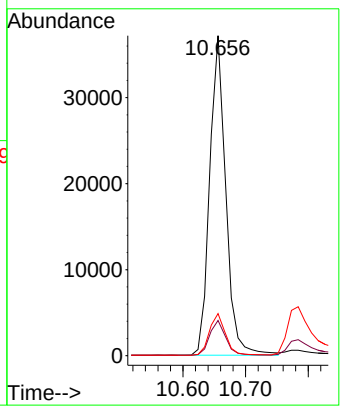


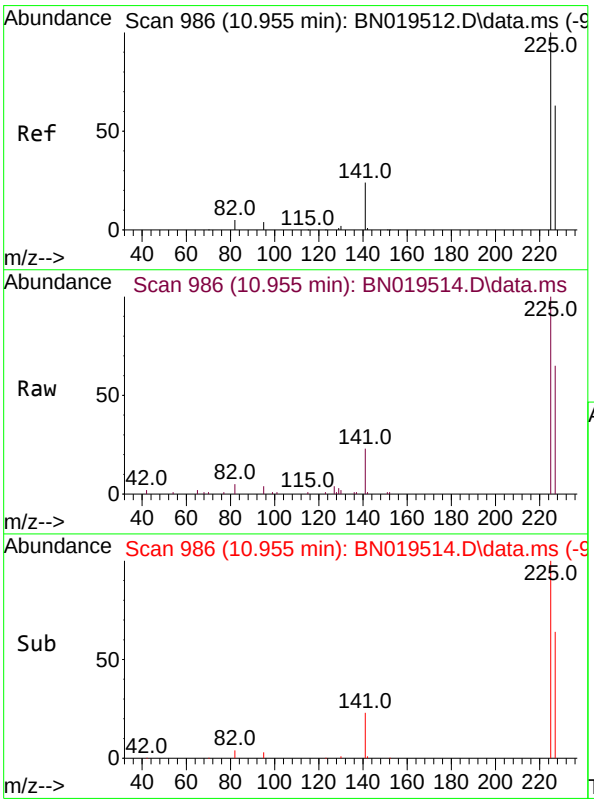
#9
Naphthalene
Concen: 1.581 ng
RT: 10.656 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 66423

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.1	10.7	16.1

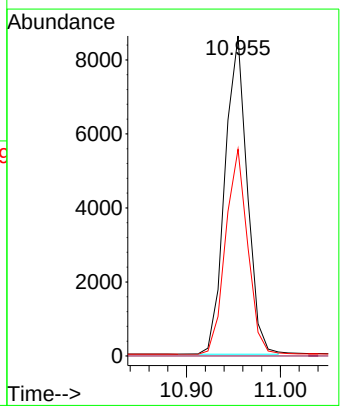


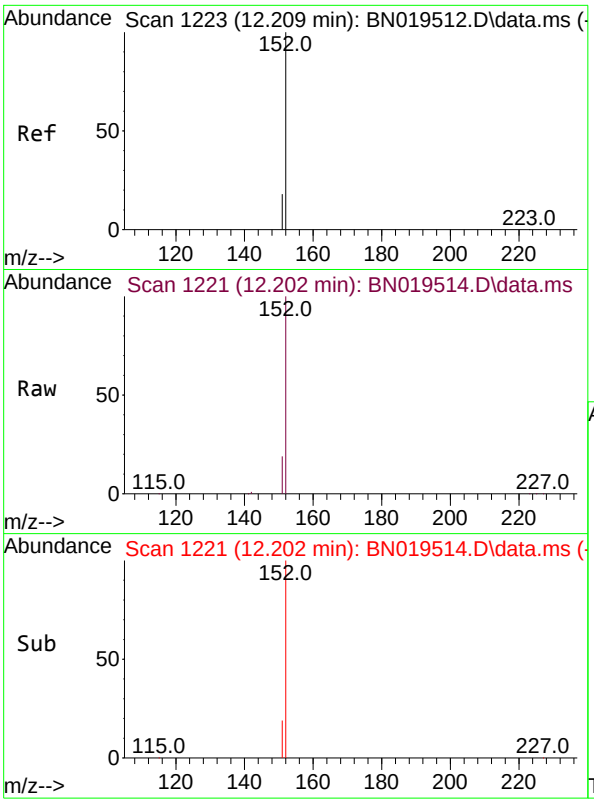


#10
Hexachlorobutadiene
Concen: 1.544 ng
RT: 10.955 min Scan# 986
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:225 Resp: 14129

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



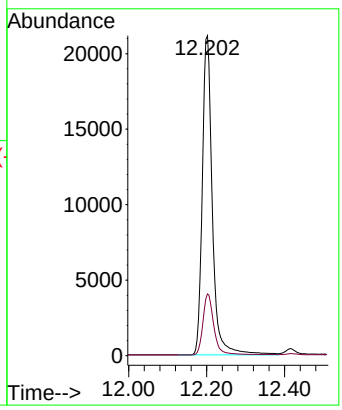


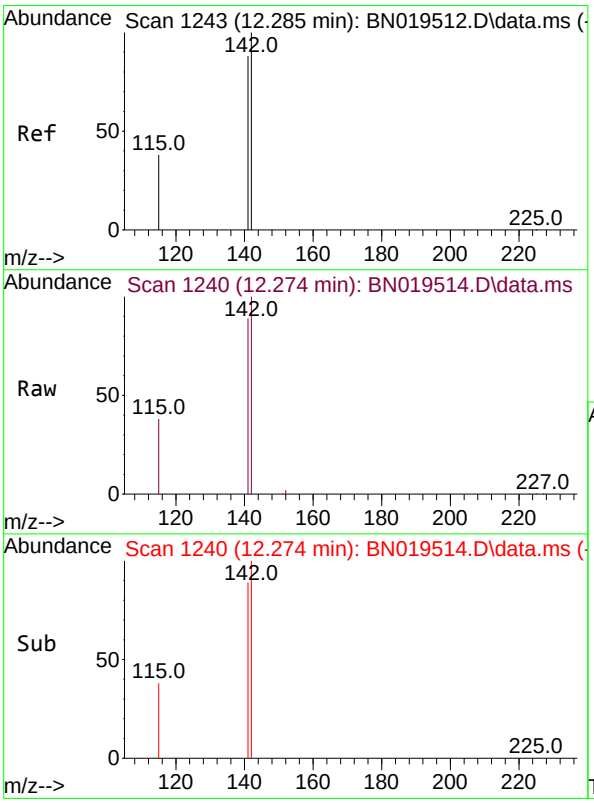
#11
2-Methylnaphthalene-d10
Concen: 1.519 ng
RT: 12.202 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 37973

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.5	24.7

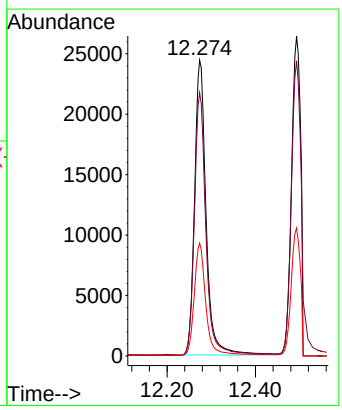


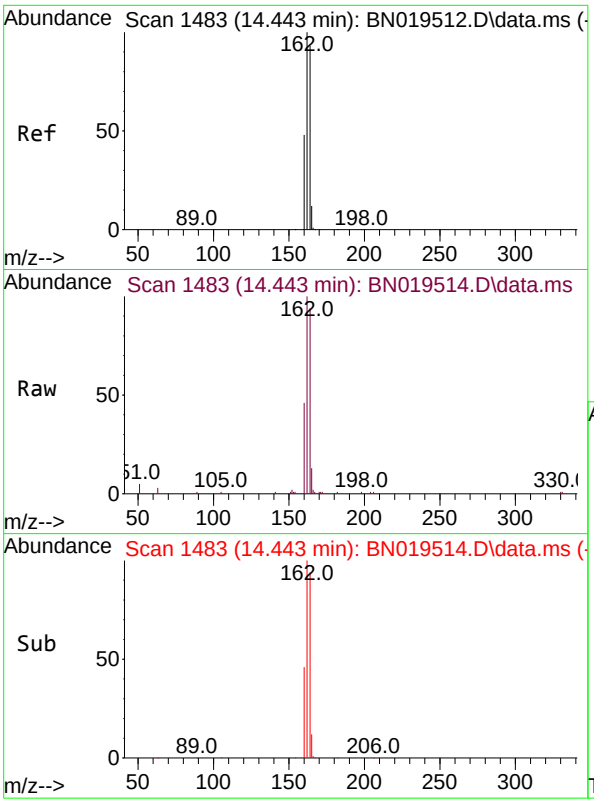


#12
2-Methylnaphthalene
Concen: 1.523 ng
RT: 12.274 min Scan# 1240
Delta R.T. -0.011 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:142 Resp: 44356

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.0	105.0
115	38.2	29.8	44.8



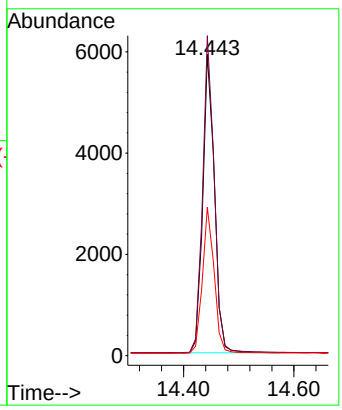


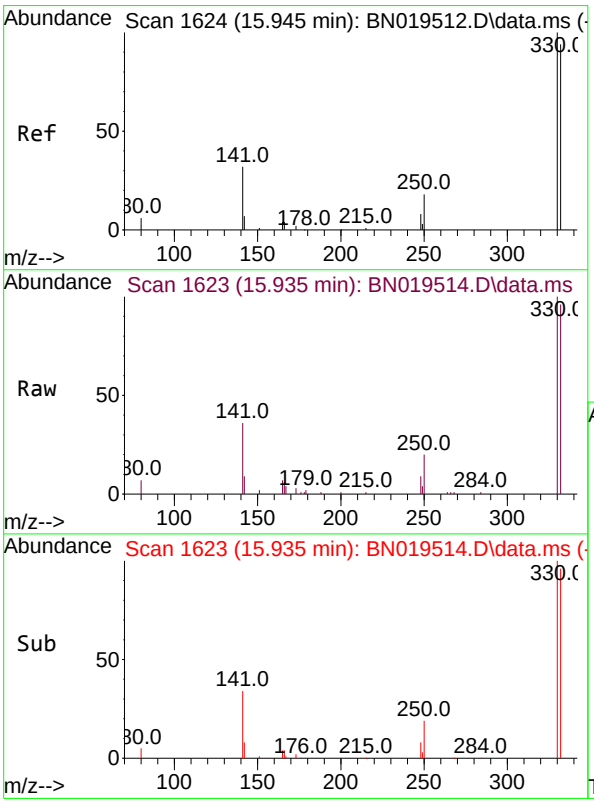
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.443 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 8721

Ion	Ratio	Lower	Upper
164	100		
162	106.2	85.2	127.8
160	49.3	41.5	62.3

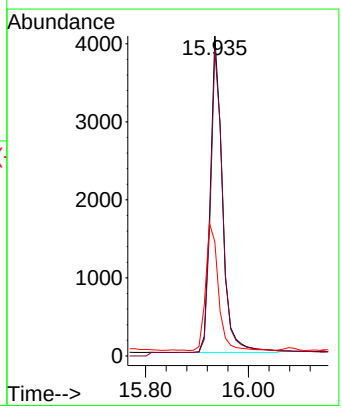


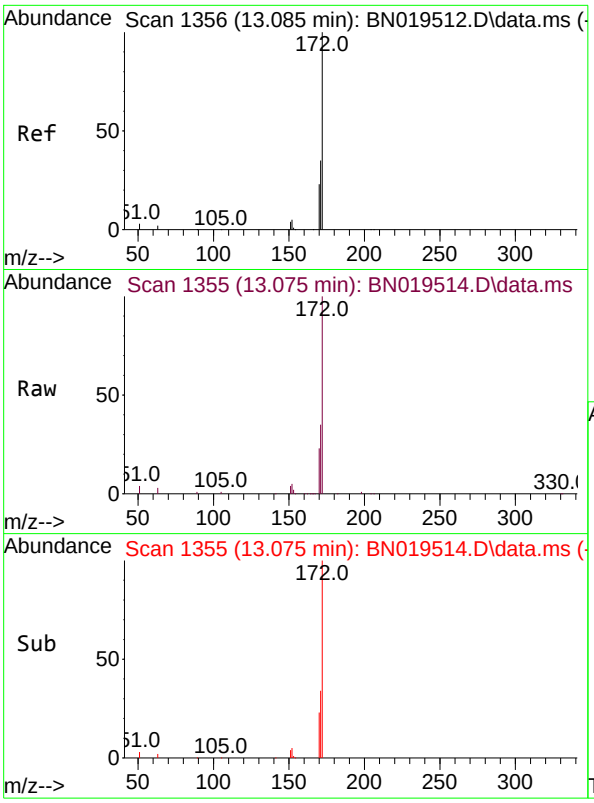


#14
2,4,6-Tribromophenol
Concen: 1.252 ng
RT: 15.935 min Scan# 1623
Delta R.T. -0.010 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:330 Resp: 6634

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.8	115.2
141	42.1	32.2	48.2



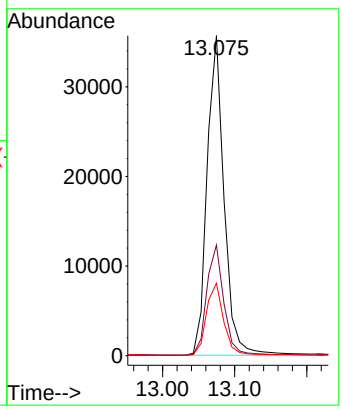


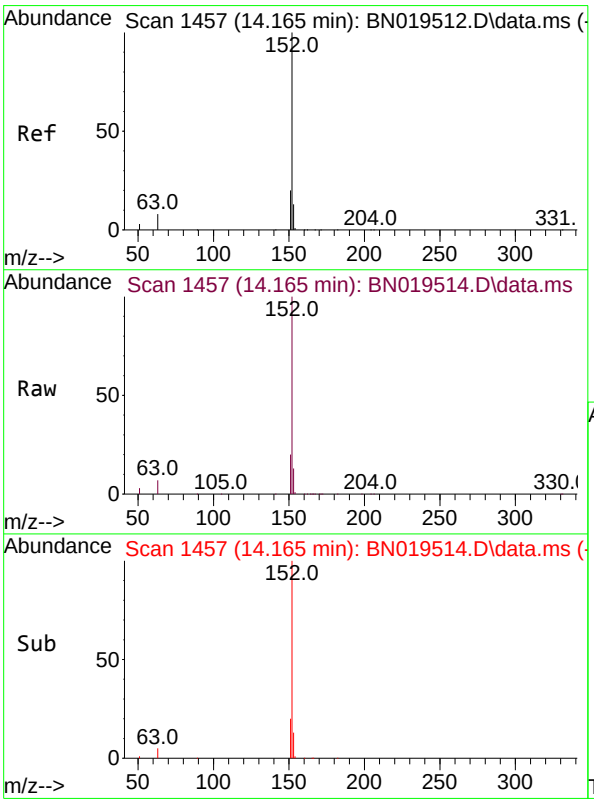
#15
2-Fluorobiphenyl
Concen: 1.610 ng
RT: 13.075 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 58364

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.2
170	22.7	18.7	28.1

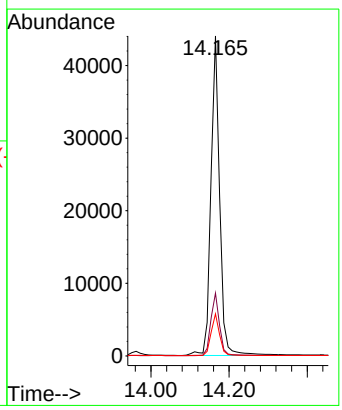


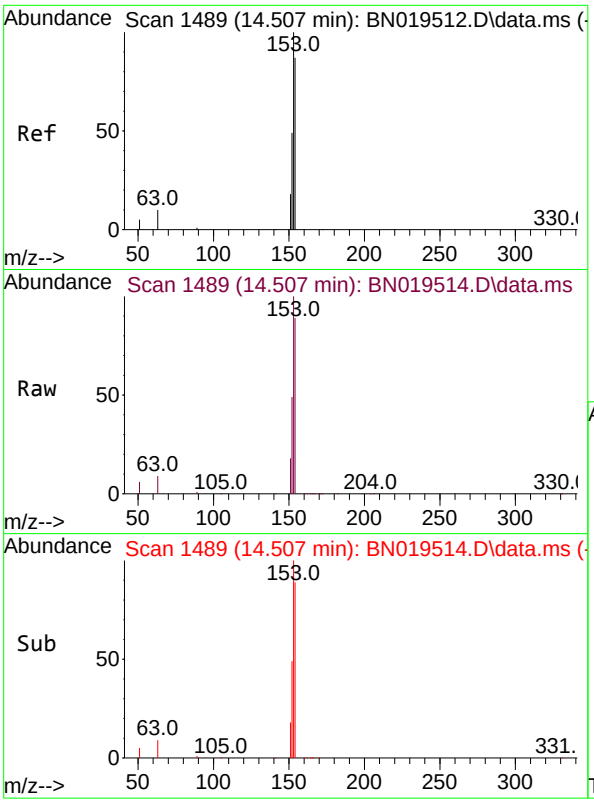


#16
Acenaphthylene
Concen: 1.577 ng
RT: 14.165 min Scan# 1457
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:152 Resp: 68267

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.0	10.6	15.8



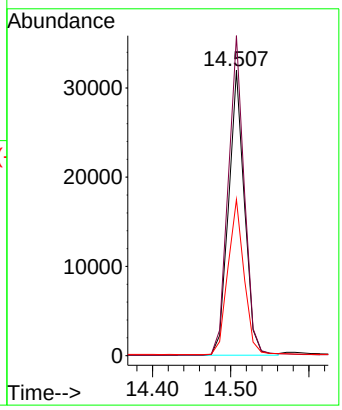


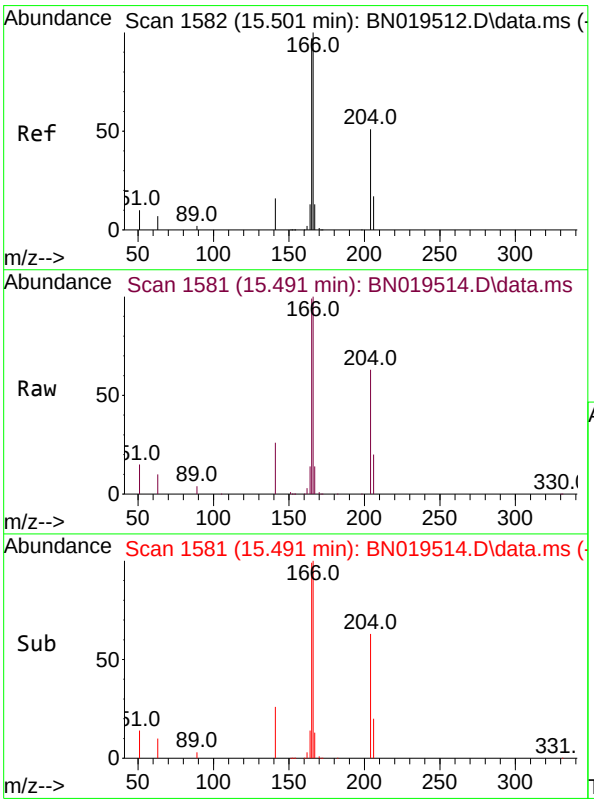
#17
Acenaphthene
Concen: 1.568 ng
RT: 14.507 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 45129

Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.7	134.5
152	55.9	44.7	67.1

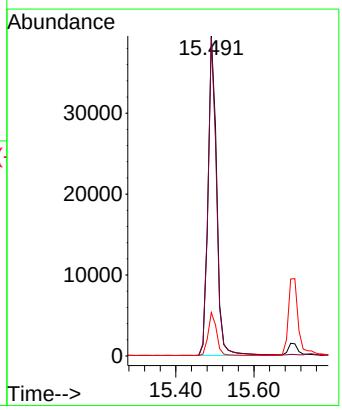


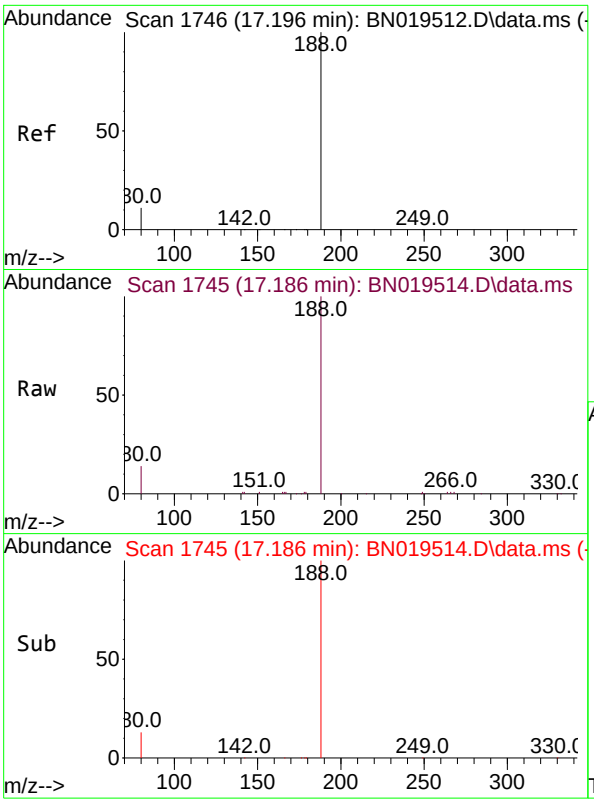


#18
Fluorene
Concen: 1.597 ng
RT: 15.491 min Scan# 1581
Delta R.T. -0.011 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:166 Resp: 60674

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.2	118.8
167	13.5	10.7	16.1



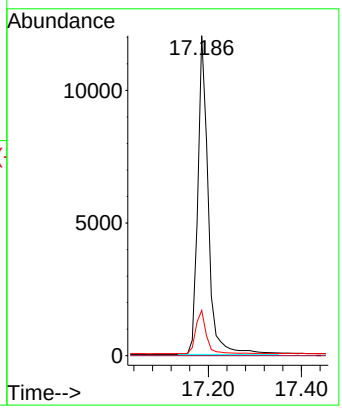


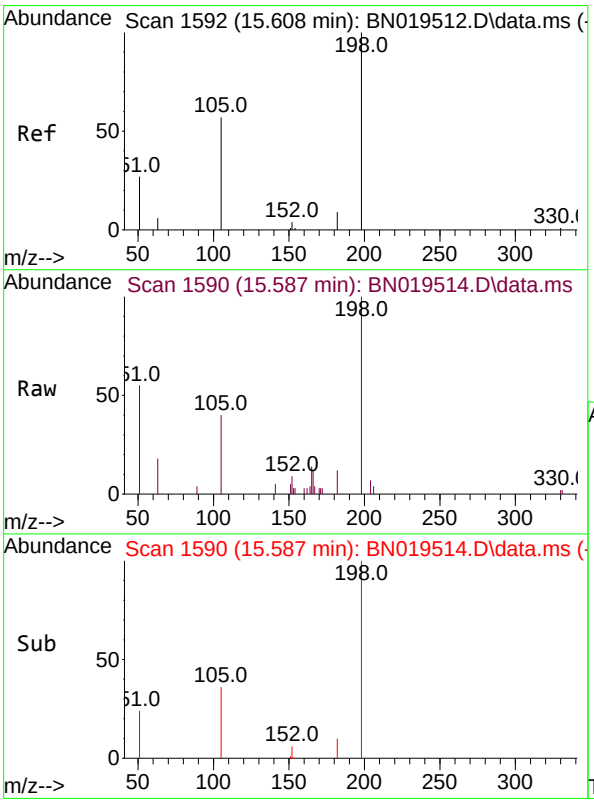
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 18792

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	11.8	17.8

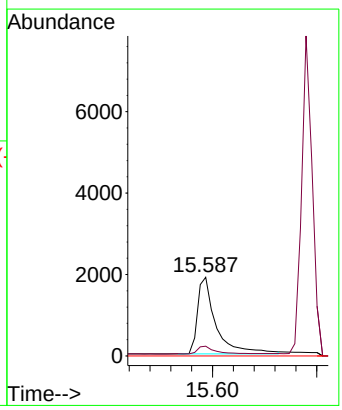


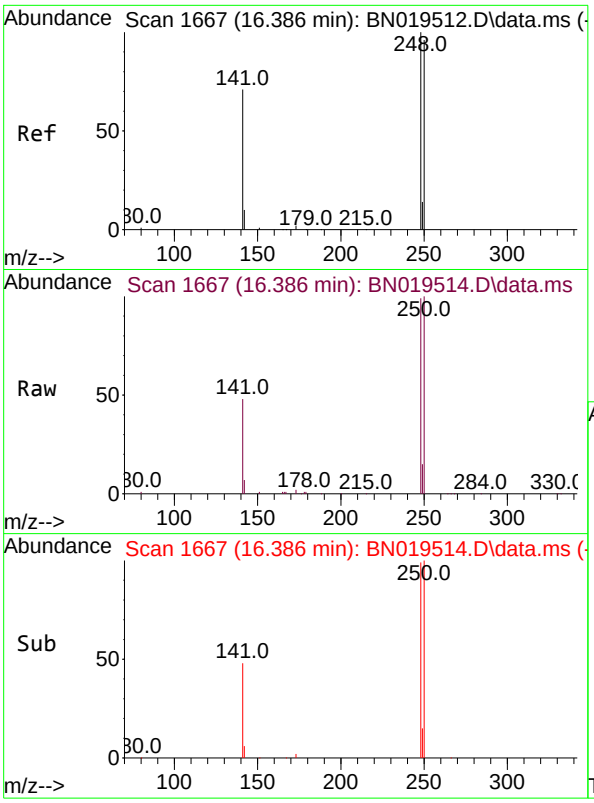


#20
4,6-Dinitro-2-methylphenol
Concen: 1.347 ng
RT: 15.587 min Scan# 1590
Delta R.T. -0.021 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:198 Resp: 4652

Ion	Ratio	Lower	Upper
198	100		
182	12.3	13.0	19.4#
77	0.0	0.0	0.0



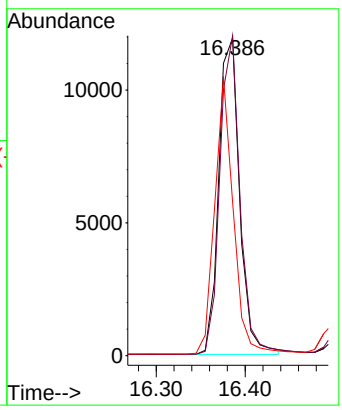


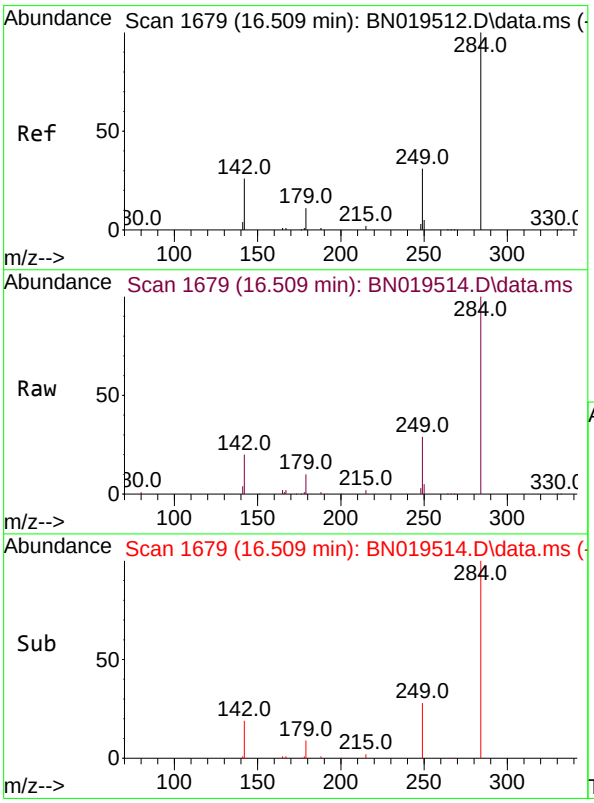
#21
4-Bromophenyl-phenylether
Concen: 1.536 ng
RT: 16.386 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:248 Resp: 19436

Ion	Ratio	Lower	Upper
248	100		
250	100.7	80.7	121.1
141	48.4	39.6	59.4

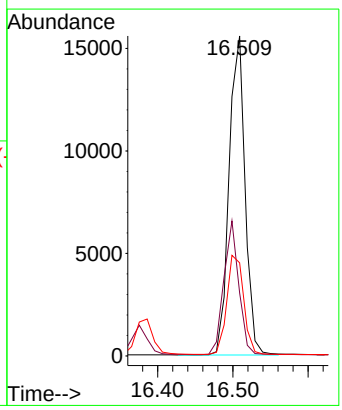


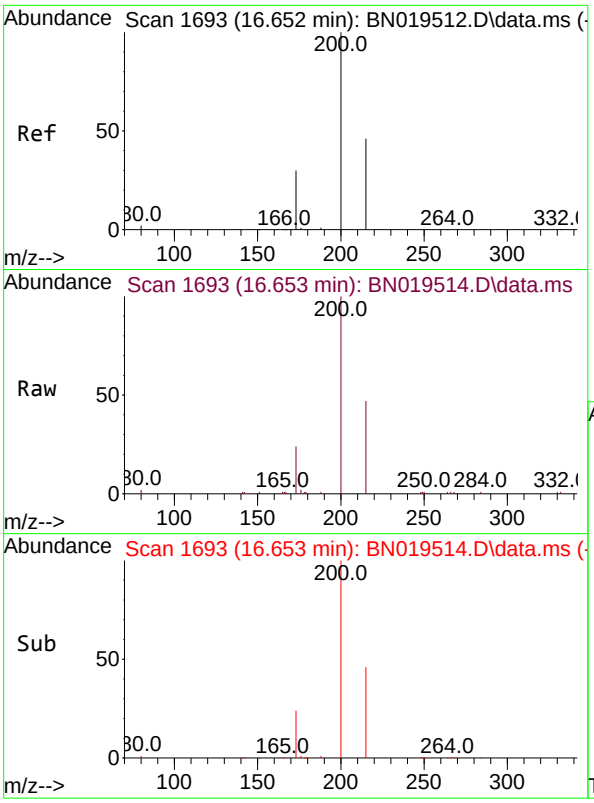


#22
Hexachlorobenzene
Concen: 1.550 ng
RT: 16.509 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:284 Resp: 22965

Ion	Ratio	Lower	Upper
284	100		
142	39.0	29.8	44.8
249	32.8	26.2	39.2



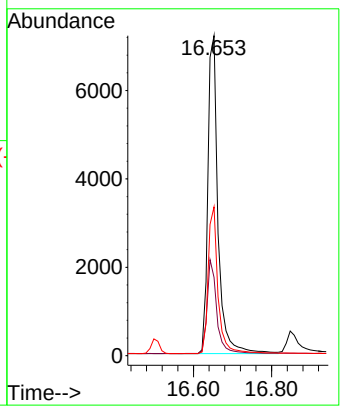


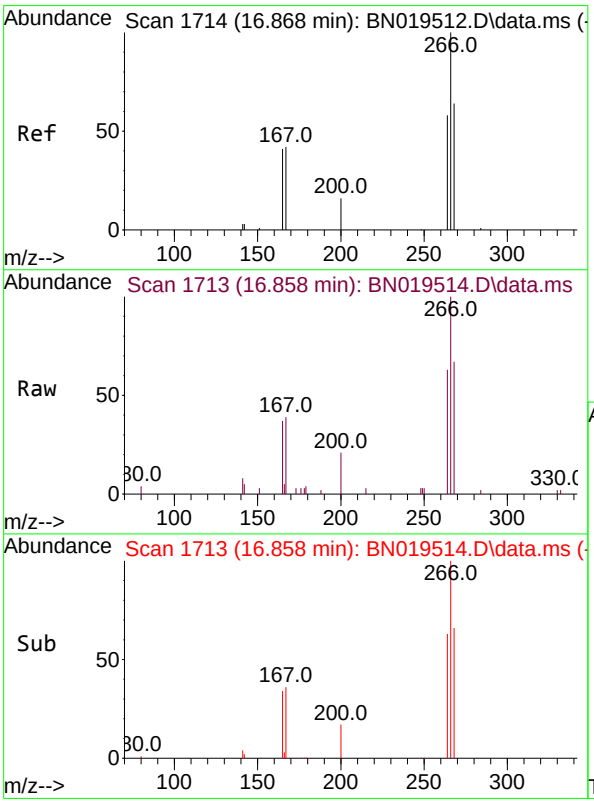
#23
Atrazine
Concen: 1.249 ng
RT: 16.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:200 Resp: 13042

Ion	Ratio	Lower	Upper
200	100		
173	24.4	23.9	35.9
215	46.5	36.6	54.8

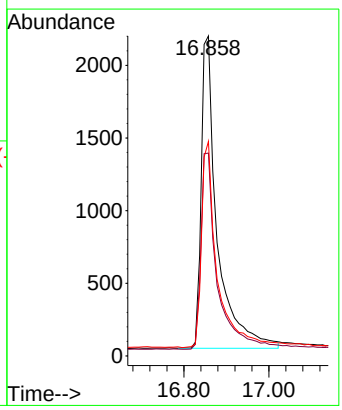


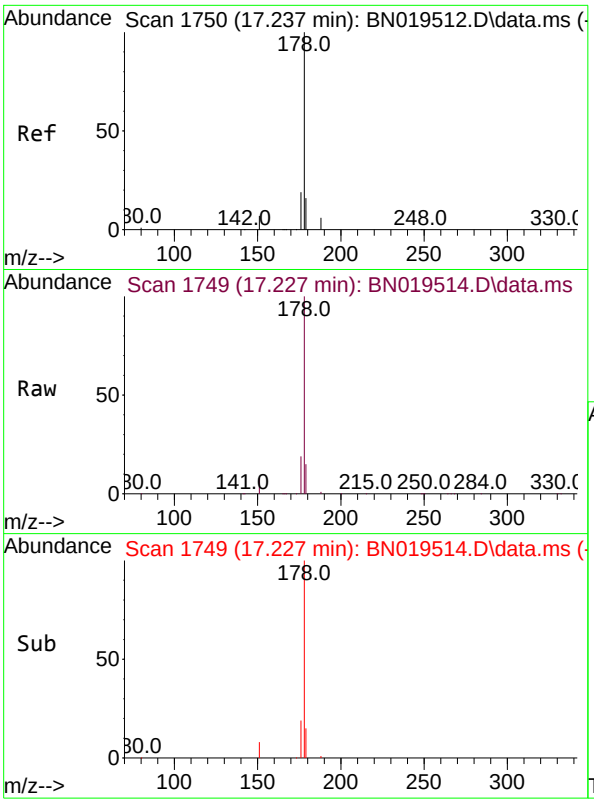


#24
Pentachlorophenol
Concen: 0.976 ng
RT: 16.858 min Scan# 1713
Delta R.T. -0.010 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:266 Resp: 5622

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.2	75.4
268	64.9	51.9	77.9



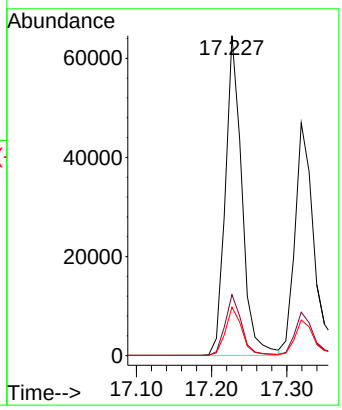


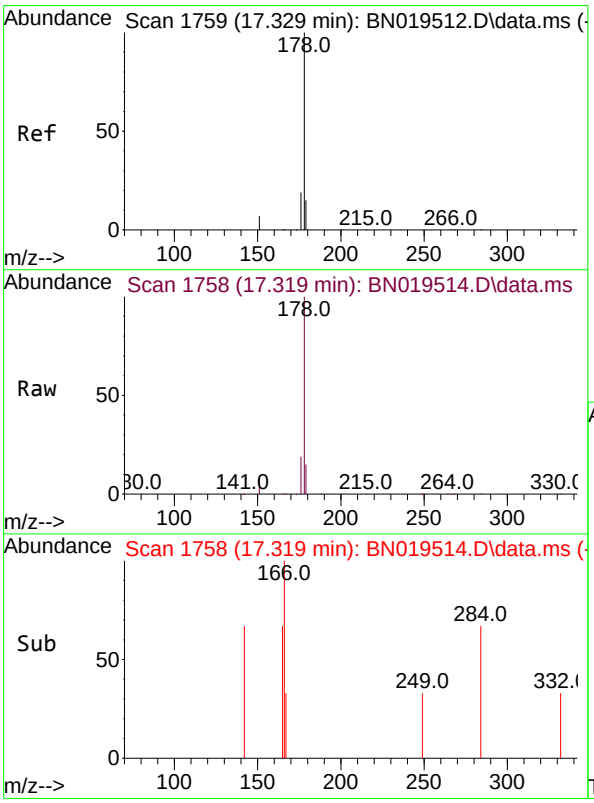
#25
Phenanthrene
Concen: 1.557 ng
RT: 17.227 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 98160

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.2	12.2	18.2

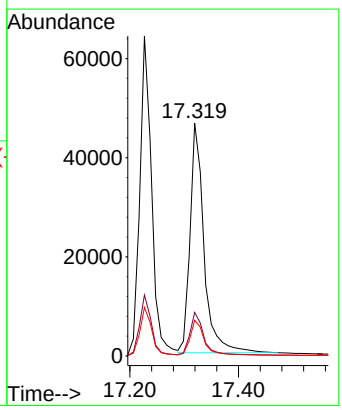


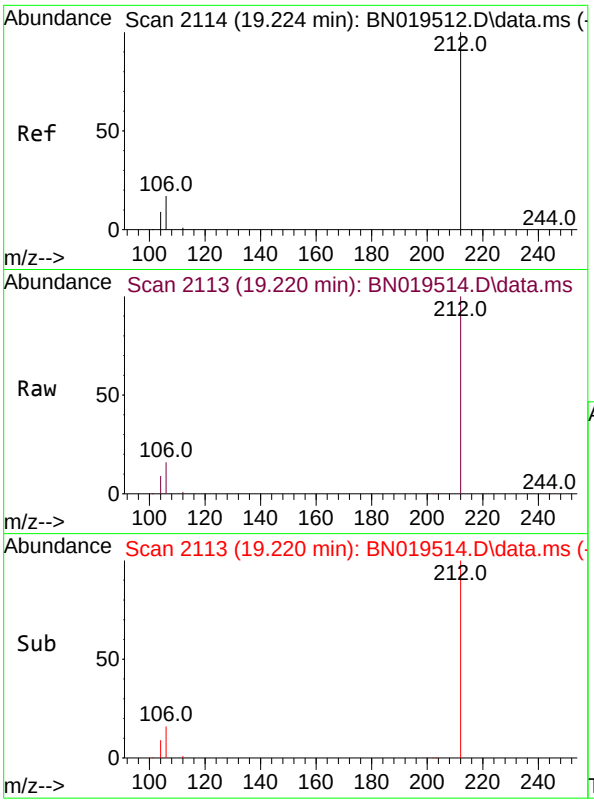


#26
Anthracene
Concen: 1.490 ng
RT: 17.319 min Scan# 1758
Delta R.T. -0.010 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:178 Resp: 82633

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	12.2	18.4



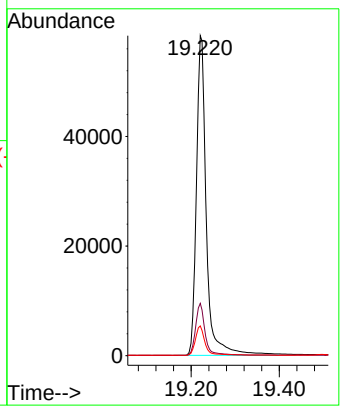


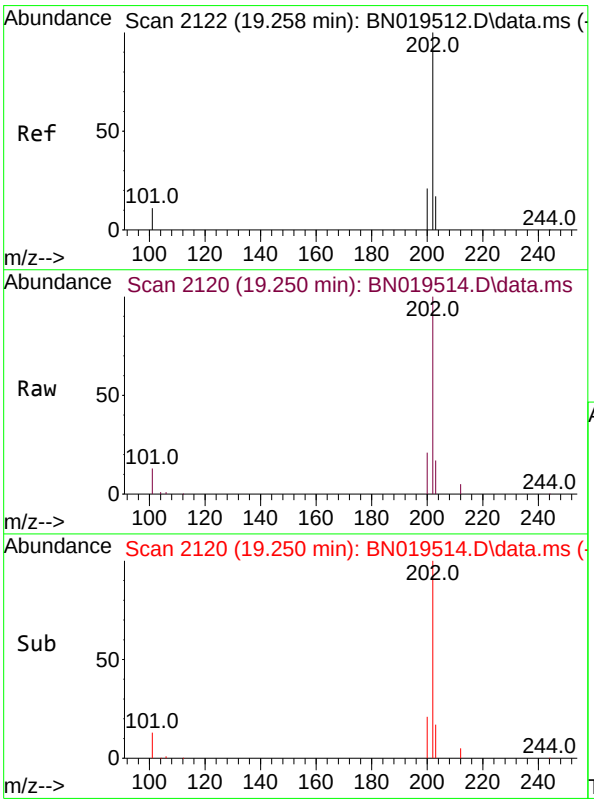
#27
Fluoranthene-d10
Concen: 1.506 ng
RT: 19.220 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 91170

Ion	Ratio	Lower	Upper
212	100		
106	15.7	12.7	19.1
104	8.9	7.1	10.7

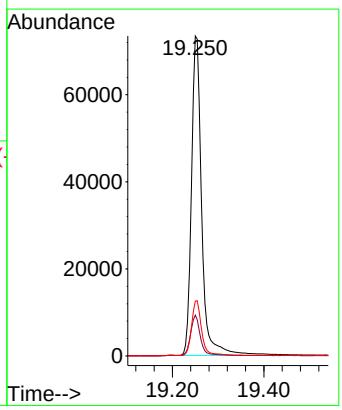


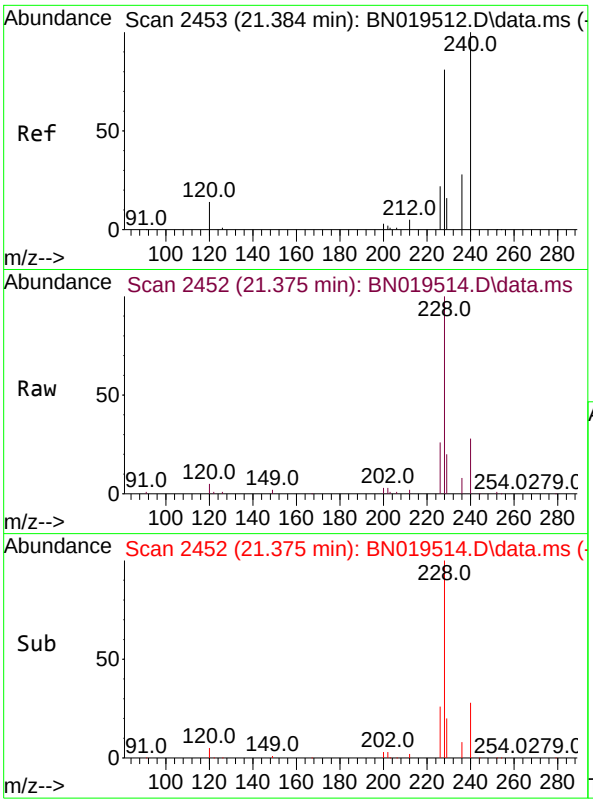


#28
Fluoranthene
Concen: 1.534 ng
RT: 19.250 min Scan# 2120
Delta R.T. -0.008 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:202 Resp: 114709

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.8	14.6
203	16.9	13.7	20.5



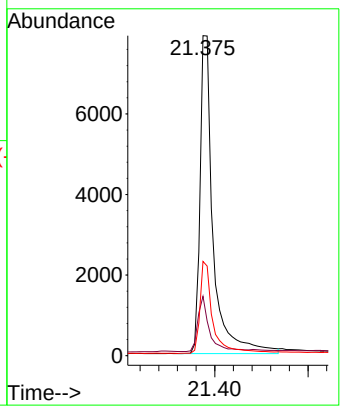


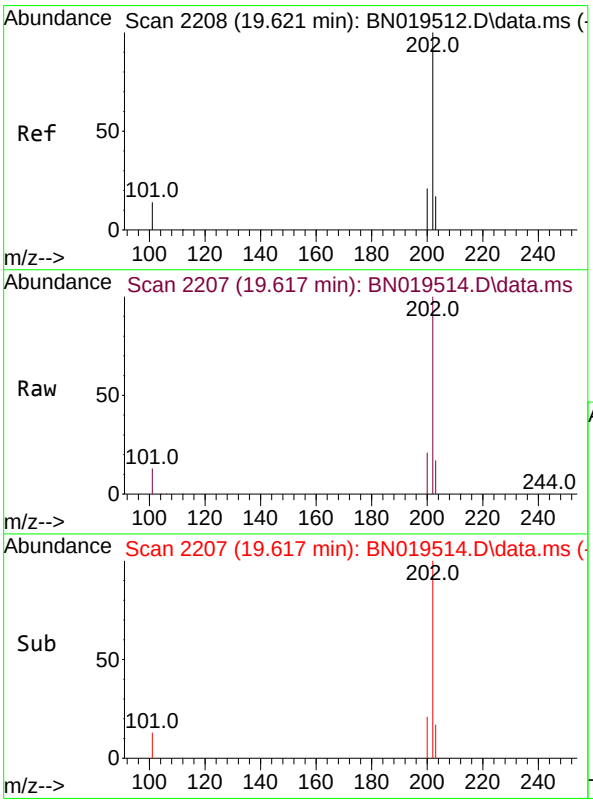
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 15492

Ion	Ratio	Lower	Upper
240	100		
120	18.5	8.5	12.7#
236	29.5	22.4	33.6

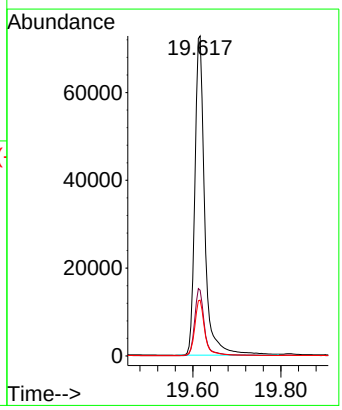


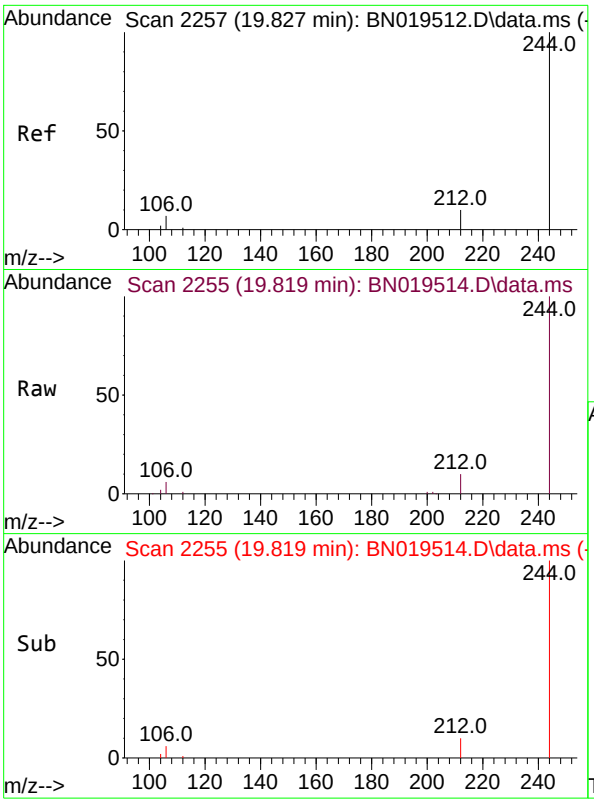


#30
Pyrene
Concen: 1.579 ng
RT: 19.617 min Scan# 2207
Delta R.T. -0.004 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:202 Resp: 113833

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.8	14.2	21.2



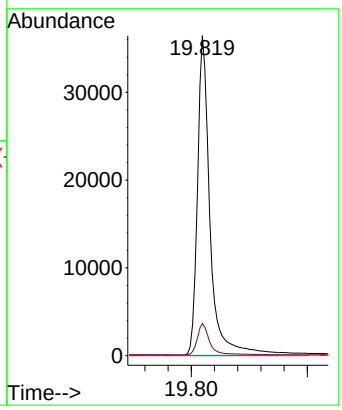


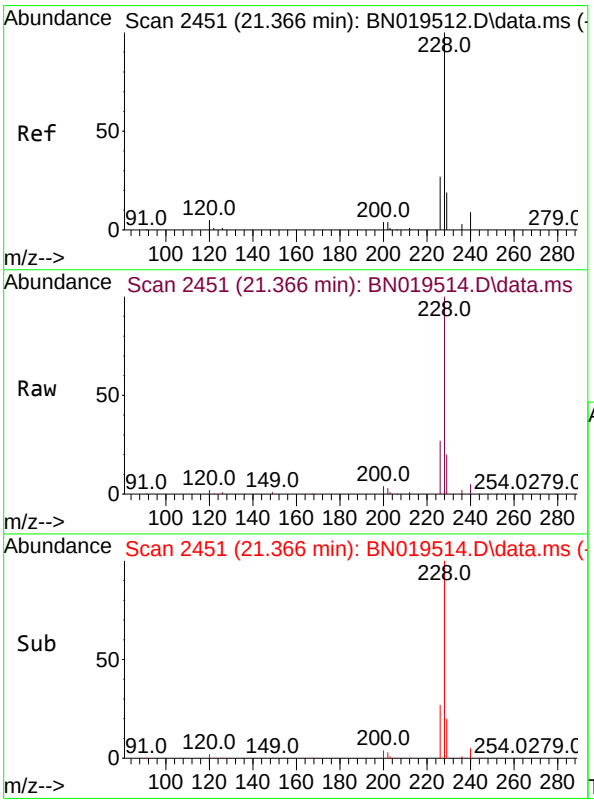
#31
Terphenyl-d14
Concen: 1.623 ng
RT: 19.819 min Scan# 2
Delta R.T. -0.008 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 54641

Ion	Ratio	Lower	Upper
244	100		
212	10.0	8.2	12.4
122	0.0	0.0	0.0

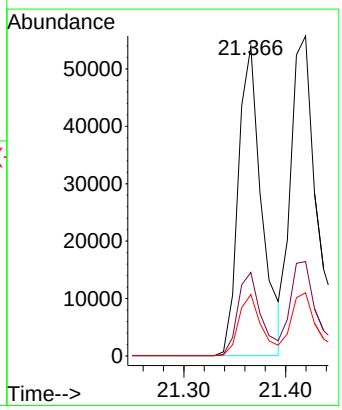


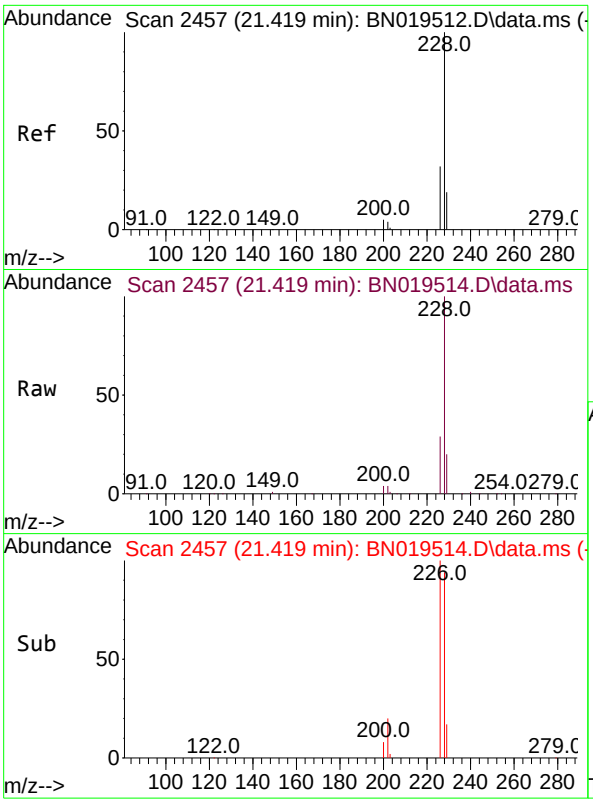


#32
Benzo(a)anthracene
Concen: 1.499 ng
RT: 21.366 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:228 Resp: 85794

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.9	32.9
229	19.8	16.0	24.0



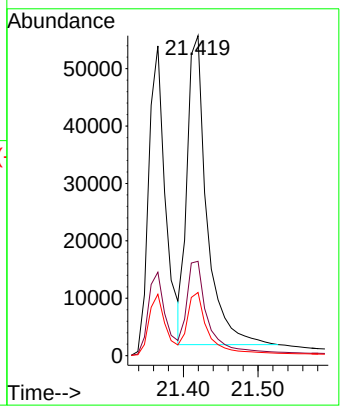


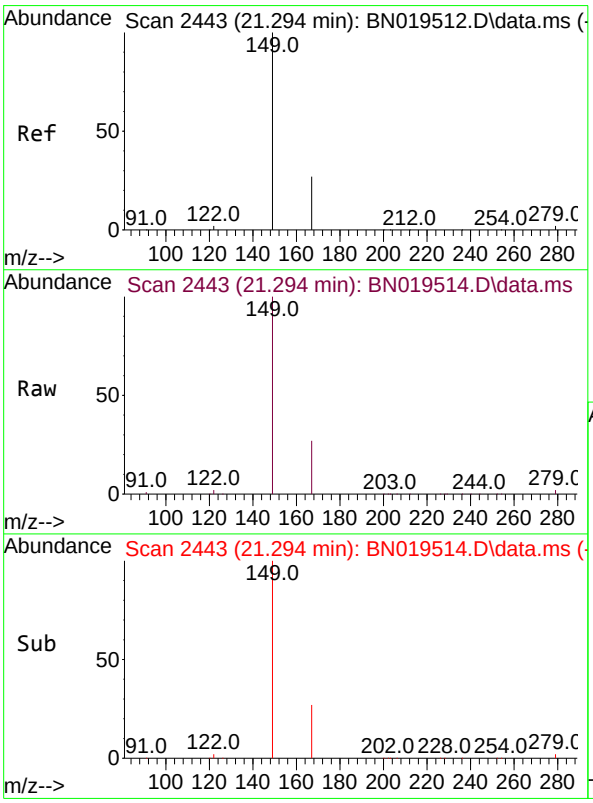
#33
Chrysene
Concen: 1.552 ng
RT: 21.419 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 98709

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	19.8	15.9	23.9

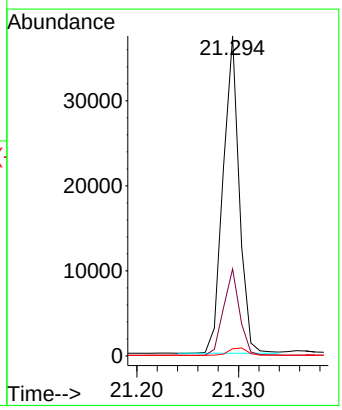


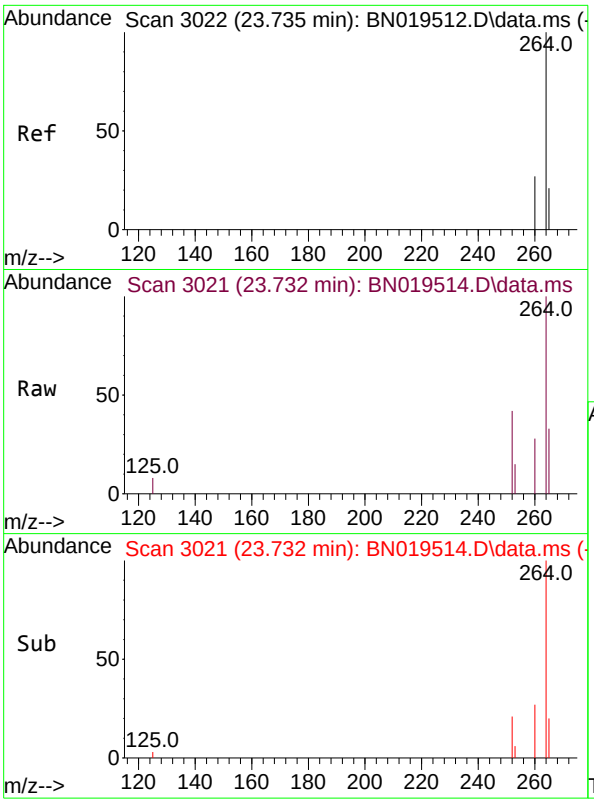


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.965 ng
RT: 21.294 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:149 Resp: 41096

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	2.6	2.0	3.0



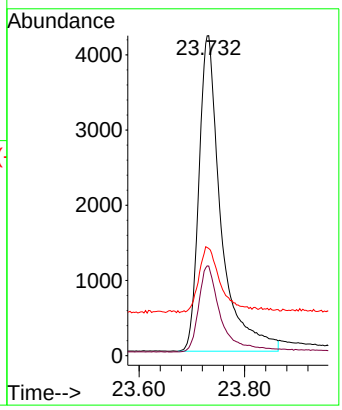


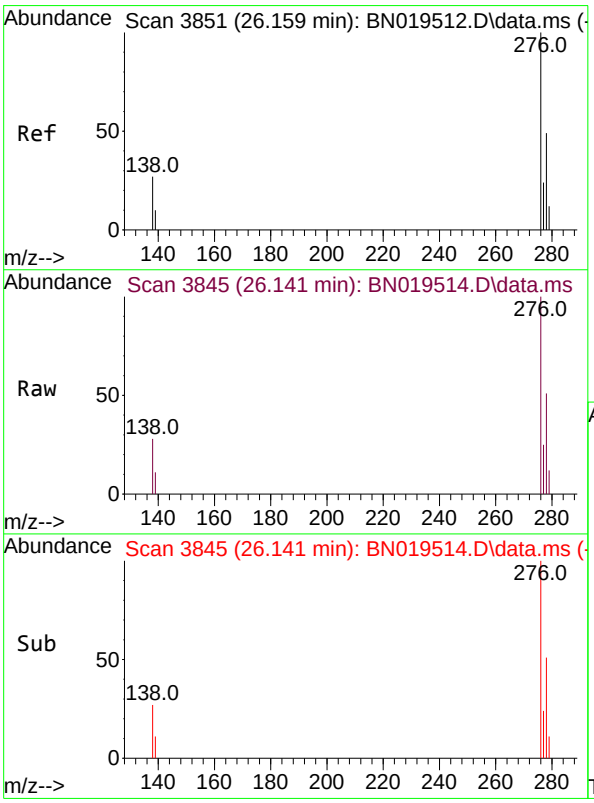
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.732 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:264 Resp: 12175

Ion	Ratio	Lower	Upper
264	100		
260	28.0	22.4	33.6
265	33.5	25.3	37.9

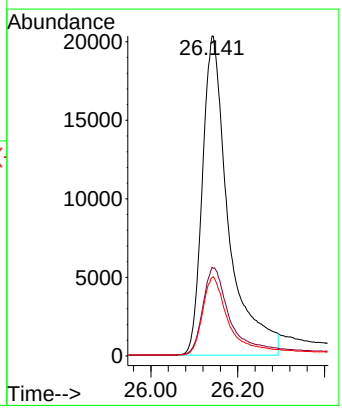


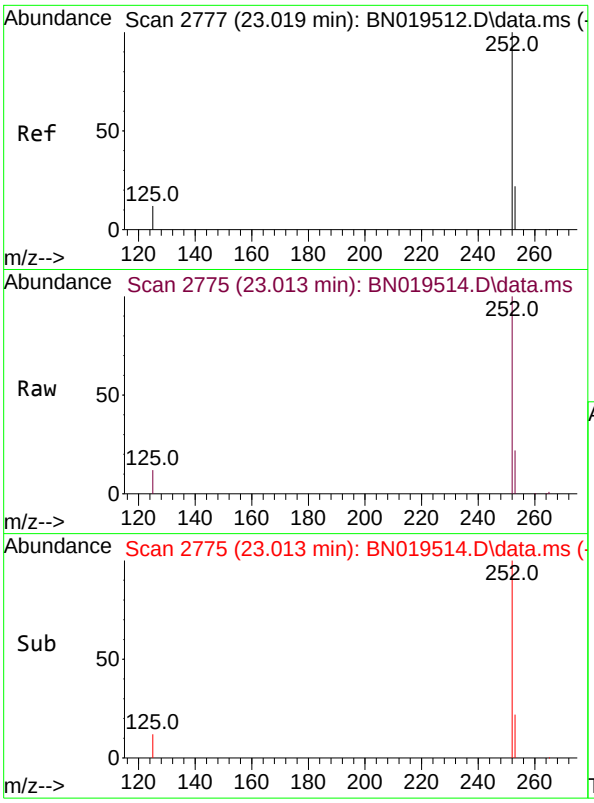


#36
Indeno(1,2,3-cd)pyrene
Concen: 1.669 ng
RT: 26.141 min Scan# 3845
Delta R.T. -0.017 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:276 Resp: 85026

Ion	Ratio	Lower	Upper
276	100		
138	28.7	24.5	36.7
277	24.7	19.8	29.8



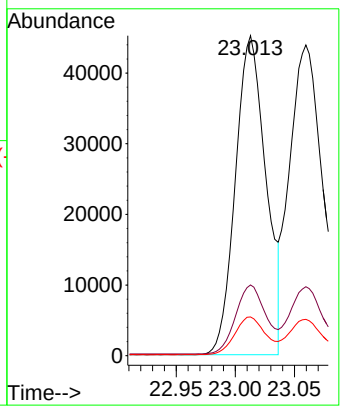


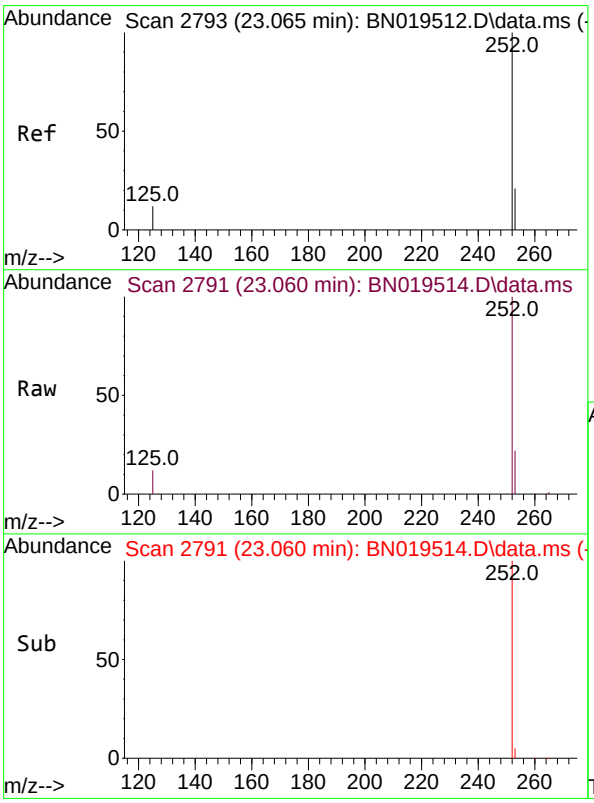
#37
Benzo(b)fluoranthene
Concen: 1.700 ng
RT: 23.013 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 81096

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.9	28.3
125	12.1	12.1	18.1

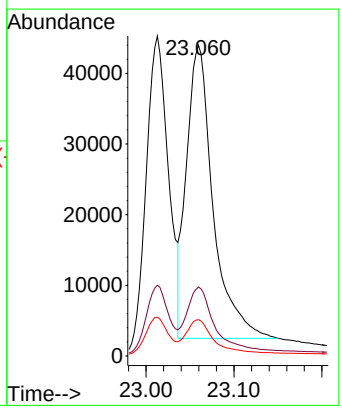


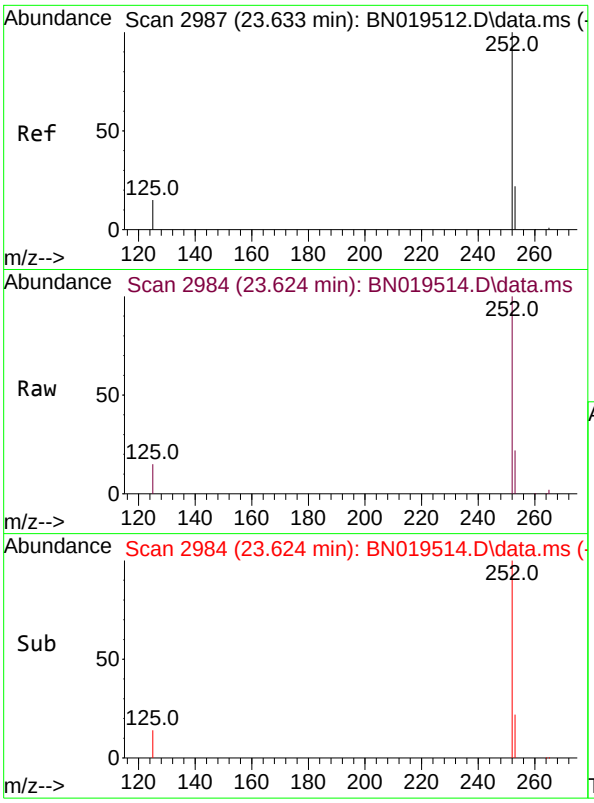


#38
Benzo(k)fluoranthene
Concen: 1.749 ng
RT: 23.060 min Scan# 2791
Delta R.T. -0.006 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:252 Resp: 87203

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.9	28.3
125	11.7	10.3	15.5



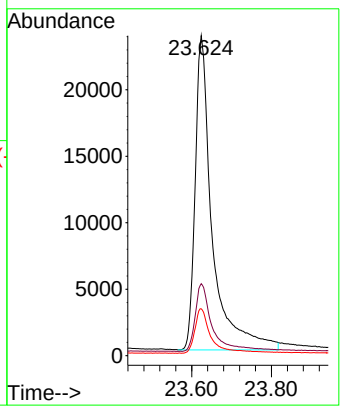


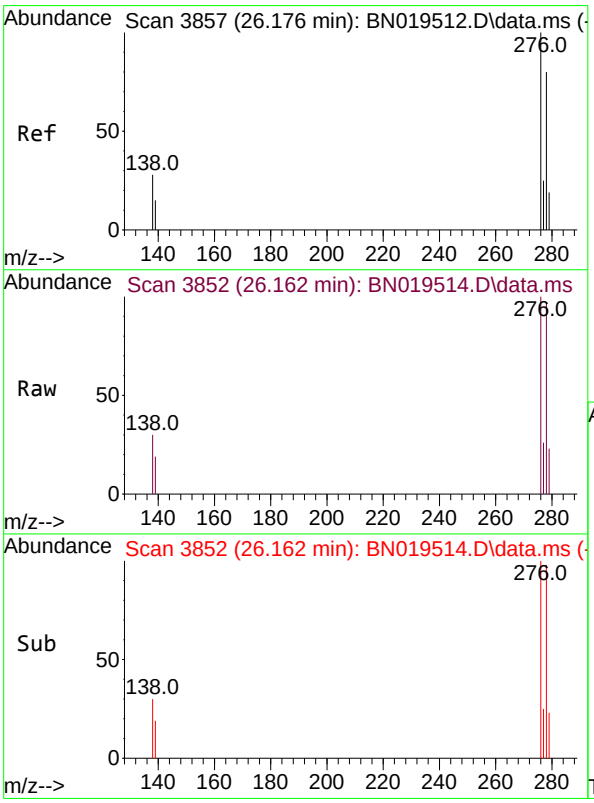
#39
Benzo(a)pyrene
Concen: 1.646 ng
RT: 23.624 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 70553

Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.1	30.1
125	14.7	15.2	22.8#

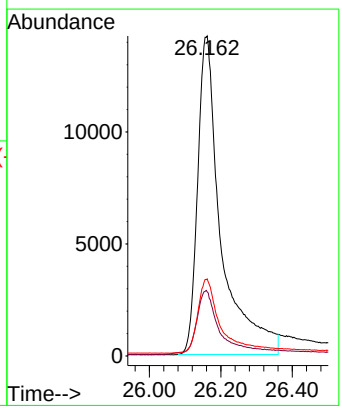


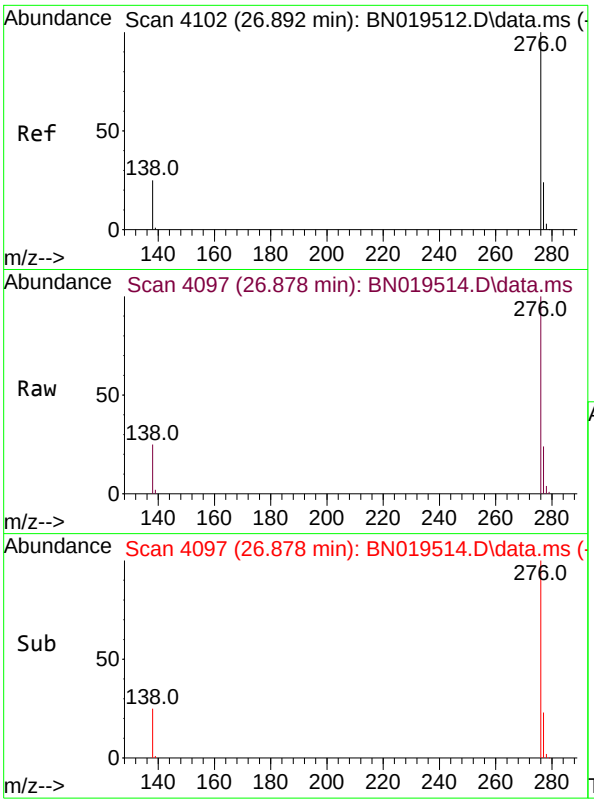


#40
Dibenzo(a,h)anthracene
Concen: 1.650 ng
RT: 26.162 min Scan# 3852
Delta R.T. -0.015 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Tgt Ion:278 Resp: 65045

Ion	Ratio	Lower	Upper
278	100		
139	20.0	17.2	25.8
279	24.1	19.9	29.9





#41
Benzo(g,h,i)perylene
Concen: 1.715 ng
RT: 26.878 min Scan# 4
Delta R.T. -0.015 min
Lab File: BN019514.D
Acq: 20 Apr 2022 15:32

Instrument :
BNA_N
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 81042

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	25.2	21.0	31.6