Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031822\
Data File : BN019009.D
Acq On : 18 Mar 2022 10:18
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Mar 18 16:08:34 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 17 13:18:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.854	152	5539	0.400	ng		0.00
7) Naphthalene-d8	10.658	136	14996	0.400	ng		0.00
13) Acenaphthene-d10	14.495	164	9422	0.400	ng		0.00
19) Phenanthrene-d10	17.236	188	20101	0.400	ng	#	0.00
29) Chrysene-d12	21.422	240	14198	0.400	ng	#	0.00
35) Perylene-d12	23.796	264	10681	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.399	112	4902	0.395	ng		0.00
5) Phenol-d6	7.009	99	4814	0.370	ng		0.00
8) Nitrobenzene-d5	9.003	82	3645	0.337	ng		-0.01
11) 2-Methylnaphthalene-d10	12.250	152	9534	0.383	ng		0.00
14) 2,4,6-Tribromophenol	15.985	330	1418	0.312	ng		0.00
15) 2-Fluorobiphenyl	13.116	172	15221	0.403	ng		-0.01
27) Fluoranthene-d10	19.265	212	22560	0.378	ng		0.00
31) Terphenyl-d14	19.864	244	13342	0.383	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.247	88	2854	0.417	ng		98
3) n-Nitrosodimethylamine	3.572	42	2901	0.363	ng		95
6) bis(2-Chloroethyl)ether	7.262	93	6289	0.406	ng		98
9) Naphthalene	10.701	128	16696	0.391	ng		99
10) Hexachlorobutadiene	11.000	225	4098	0.393	ng	#	99
12) 2-Methylnaphthalene	12.322	142	11166	0.385	ng		99
16) Acenaphthylene	14.207	152	15807	0.362	ng		100
17) Acenaphthene	14.549	154	11839	0.386	ng		99
18) Fluorene	15.532	166	15017	0.389	ng		99
20) 4,6-Dinitro-2-methylph...	15.618	198	813	0.324	ng	#	86
21) 4-Bromophenyl-phenylether	16.426	248	4774	0.377	ng	#	89
22) Hexachlorobenzene	16.549	284	6317	0.387	ng		99
23) Atrazine	16.692	200	2987	0.315	ng		94
24) Pentachlorophenol	16.887	266	1792	0.357	ng		99
25) Phenanthrene	17.277	178	24367	0.388	ng		100
26) Anthracene	17.369	178	18824	0.354	ng		99
28) Fluoranthene	19.295	202	28043	0.380	ng		100
30) Pyrene	19.657	202	28363	0.401	ng		100
32) Benzo(a)anthracene	21.404	228	15486	0.354	ng		99
33) Chrysene	21.458	228	23908	0.405	ng		99
34) Bis(2-ethylhexyl)phtha...	21.333	149	9851	0.340	ng		100
36) Indeno(1,2,3-cd)pyrene	26.249	276	12933	0.336	ng		98
37) Benzo(b)fluoranthene	23.118	252	21213	0.544	ng		96
38) Benzo(k)fluoranthene	23.118	252	20738	0.388	ng		98
39) Benzo(a)pyrene	23.691	252	14350	0.405	ng	#	75
40) Dibenzo(a,h)anthracene	26.273	278	10676	0.356	ng	#	93
41) Benzo(g,h,i)perylene	26.998	276	14897	0.394	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031822\
Data File : BN019009.D
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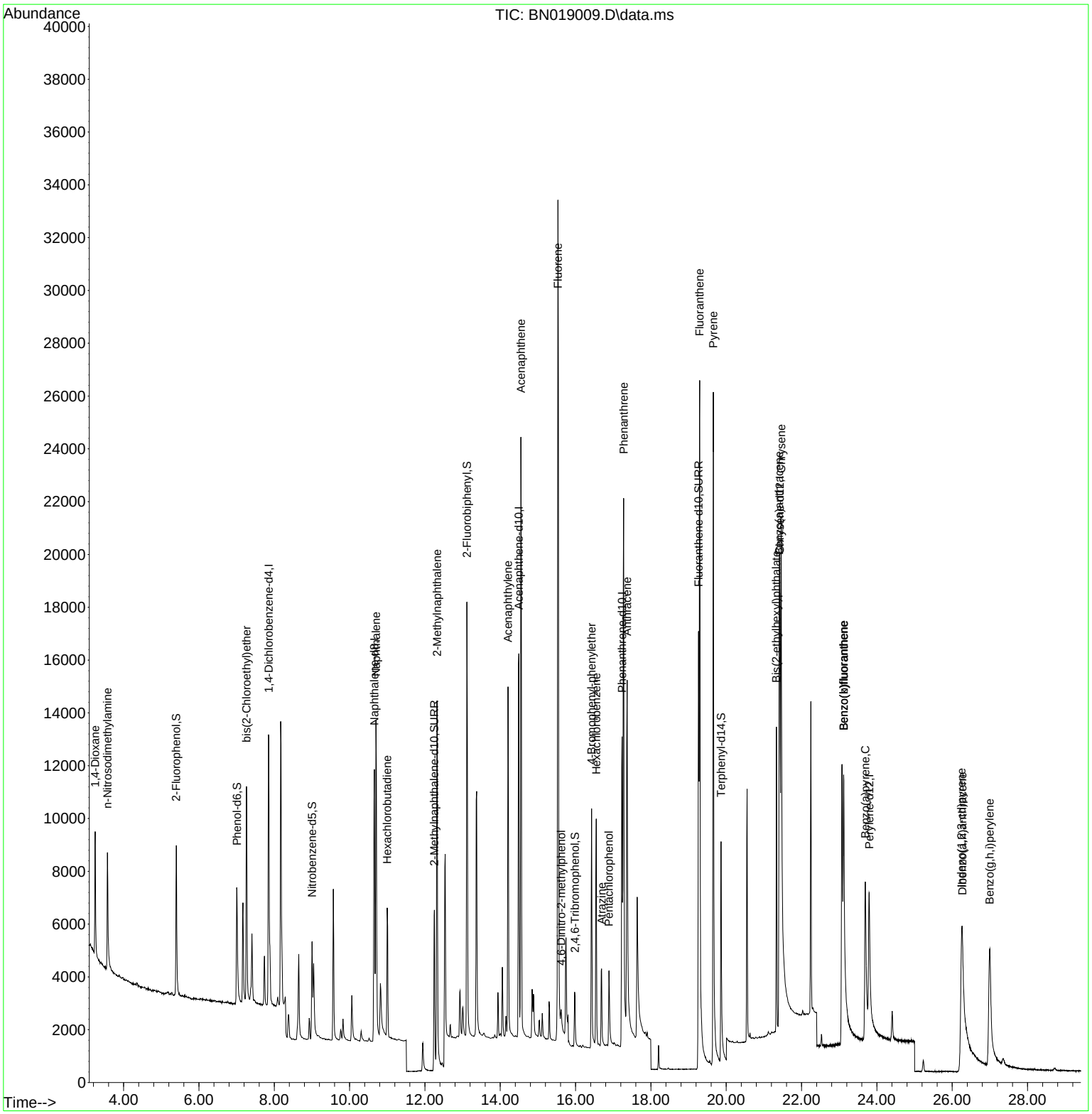
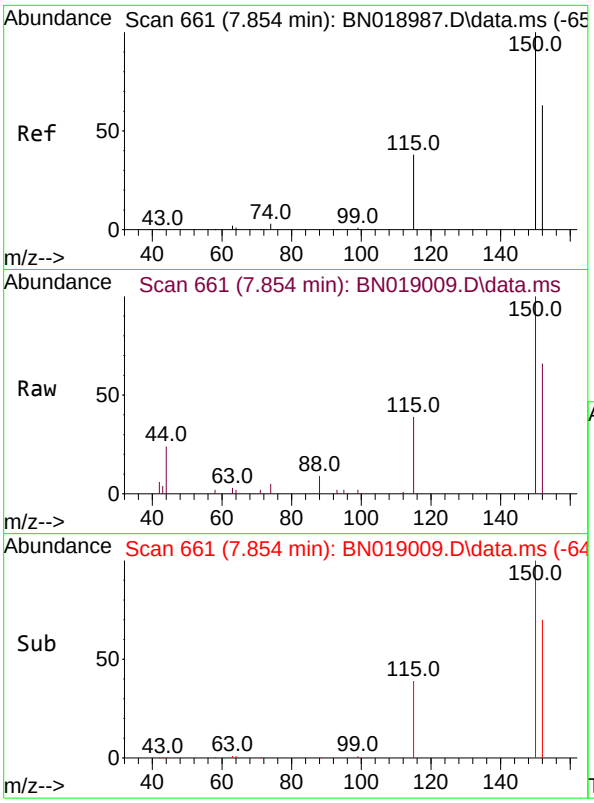
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Mar 18 16:08:34 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 17 13:18:23 2022
Response via : Initial Calibration



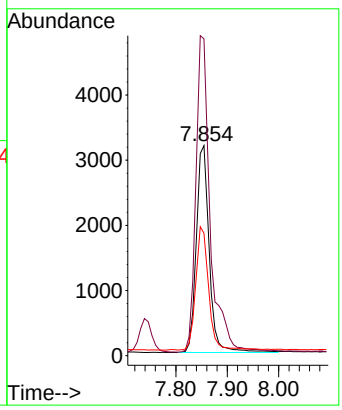


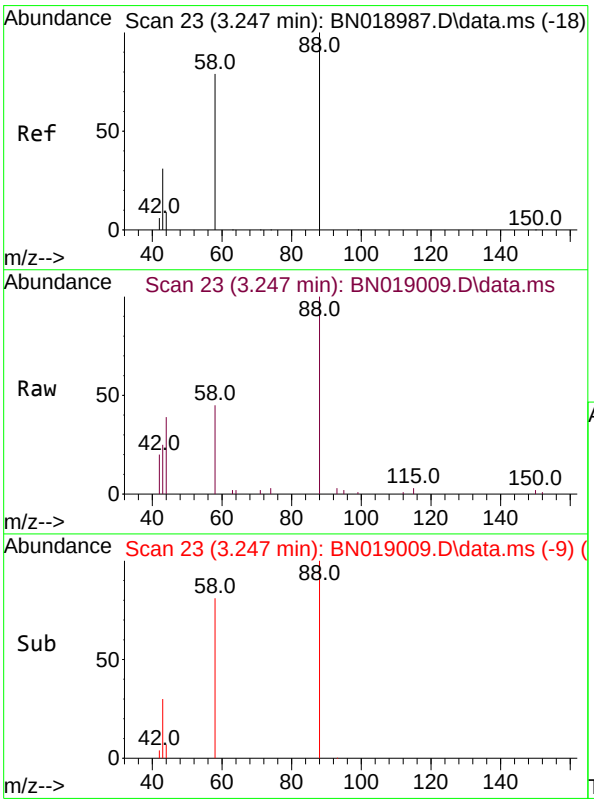
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.854 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5539

Ion	Ratio	Lower	Upper
152	100		
150	150.8	123.9	185.9
115	58.2	48.2	72.4

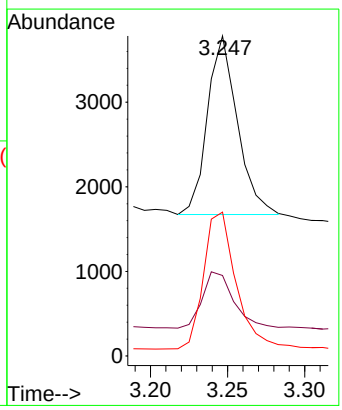


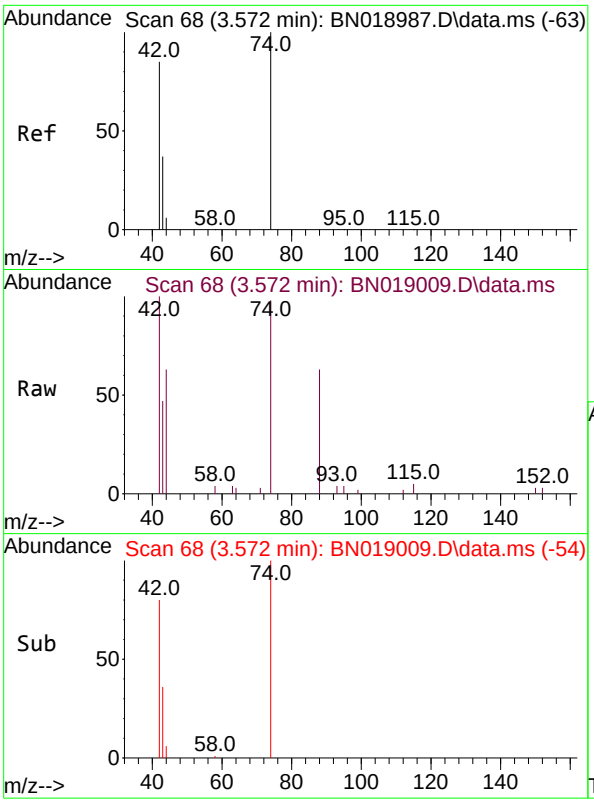


#2
1,4-Dioxane
Concen: 0.417 ng
RT: 3.247 min Scan# 23
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion: 88 Resp: 2854

Ion	Ratio	Lower	Upper
88	100		
43	32.3	24.6	37.0
58	82.9	65.4	98.2



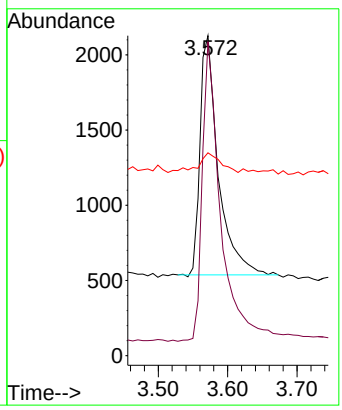


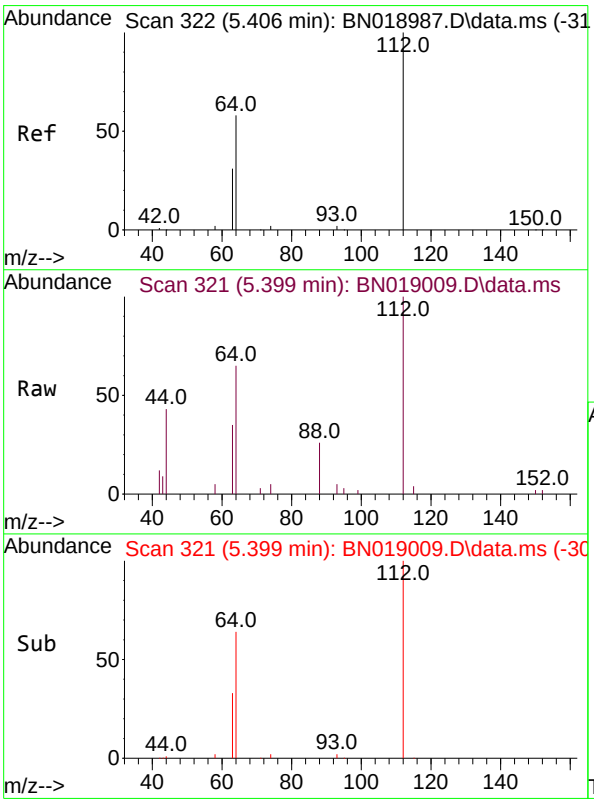
#3
n-Nitrosodimethylamine
Concen: 0.363 ng
RT: 3.572 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2901

Ion	Ratio	Lower	Upper
42	100		
74	126.4	96.9	145.3
44	9.9	7.3	10.9

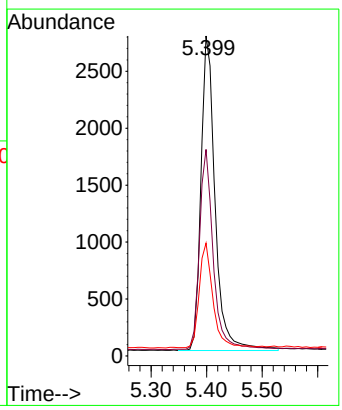


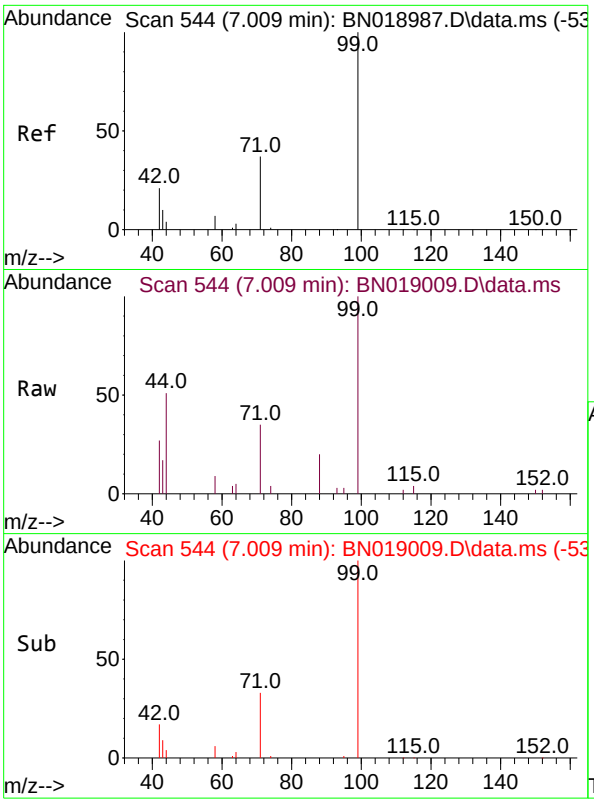


#4
2-Fluorophenol
Concen: 0.395 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.007 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:112 Resp: 4902

Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.8	71.8
63	31.8	25.7	38.5



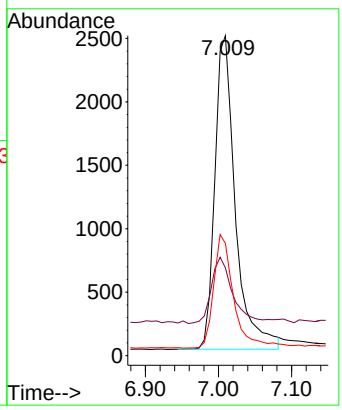


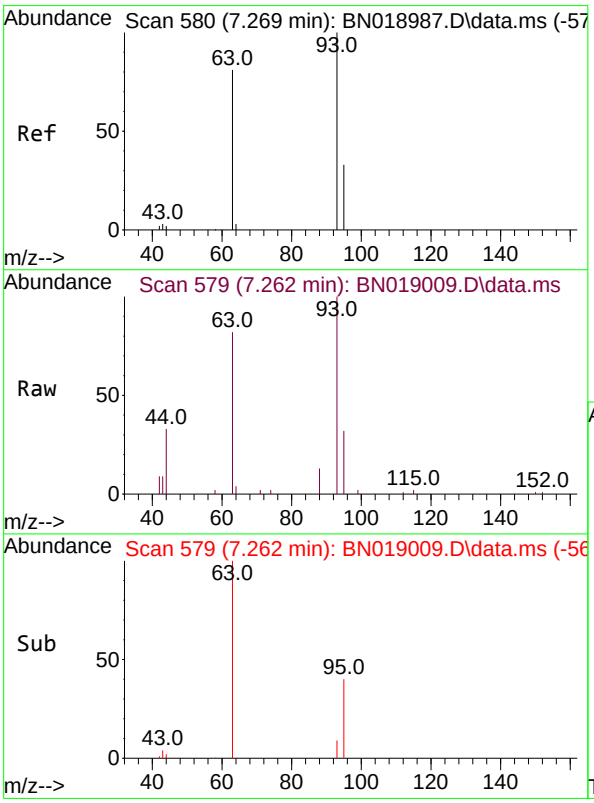
#5
Phenol-d6
Concen: 0.370 ng
RT: 7.009 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4814

Ion	Ratio	Lower	Upper
99	100		
42	22.4	16.2	24.4
71	35.4	27.7	41.5

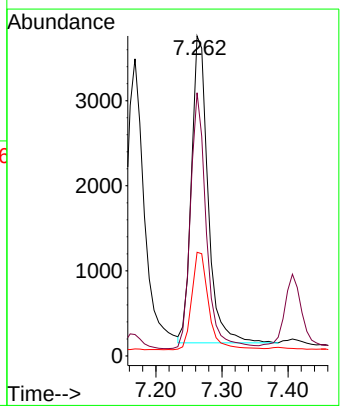


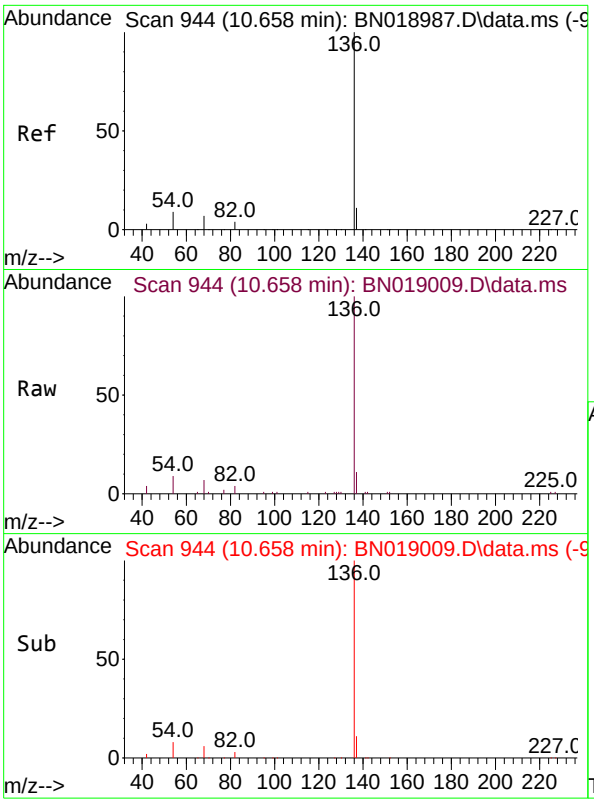


#6
bis(2-Chloroethyl)ether
Concen: 0.406 ng
RT: 7.262 min Scan# 579
Delta R.T. -0.007 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion: 93 Resp: 6289

Ion	Ratio	Lower	Upper
93	100		
63	80.2	62.8	94.2
95	32.5	26.2	39.4



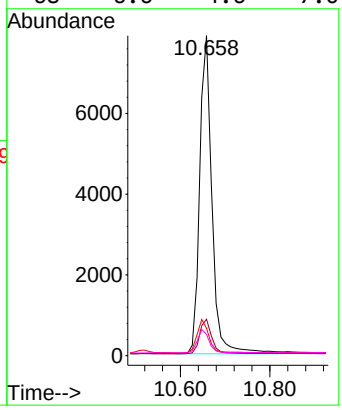


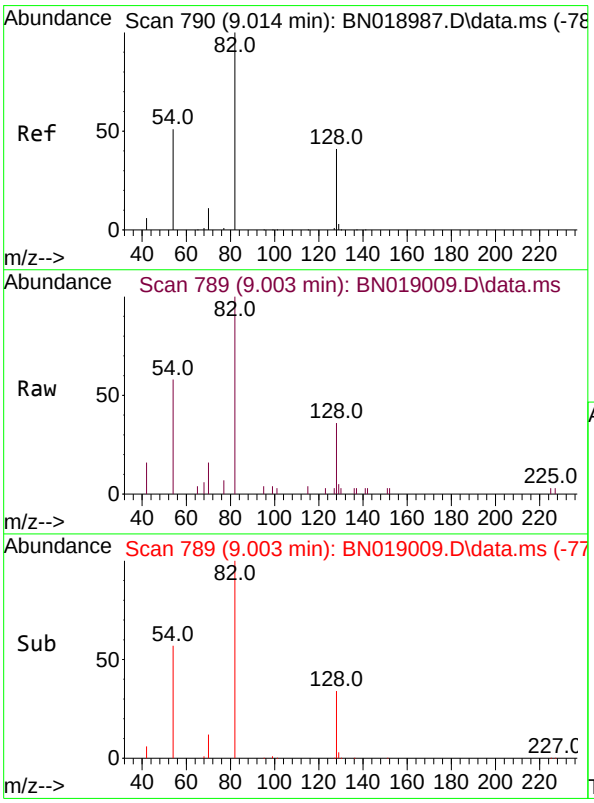
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.658 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 14996

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	8.6	5.8	8.6
68	6.6	4.6	7.0

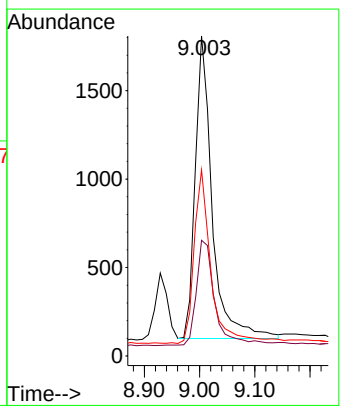


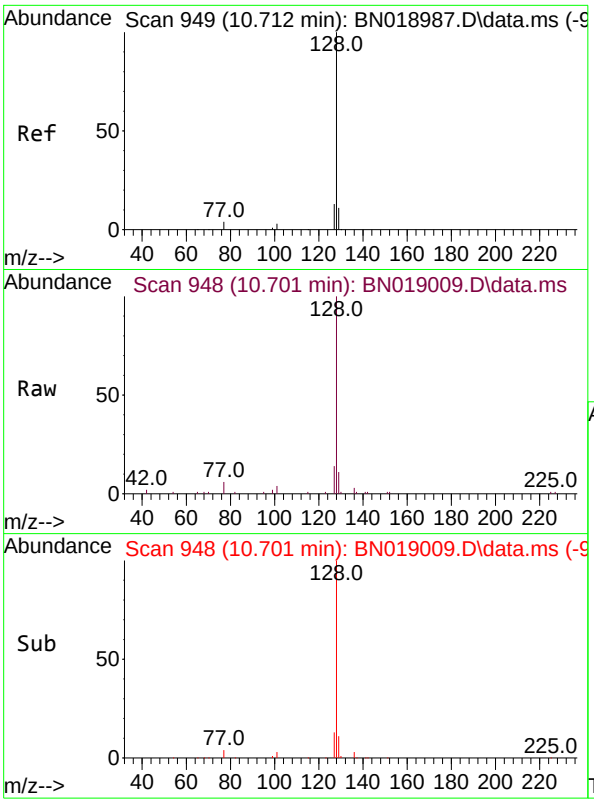


#8
Nitrobenzene-d5
Concen: 0.337 ng
RT: 9.003 min Scan# 789
Delta R.T. -0.011 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion: 82 Resp: 3645

Ion	Ratio	Lower	Upper
82	100		
128	36.2	33.0	49.6
54	58.2	42.5	63.7



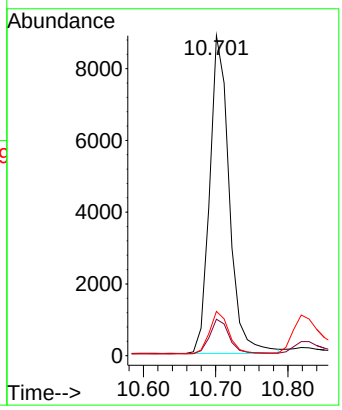


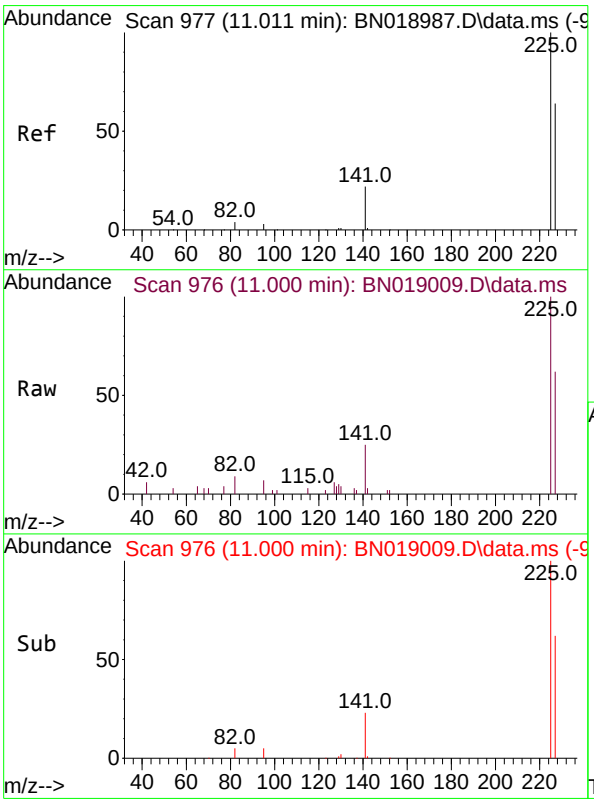
#9
Naphthalene
Concen: 0.391 ng
RT: 10.701 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 16696

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.9	10.7	16.1

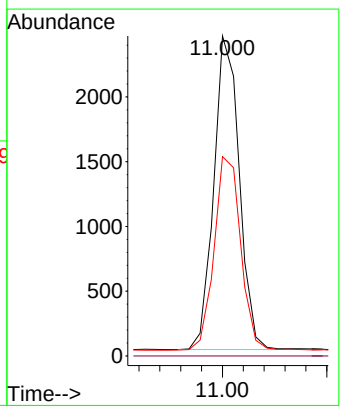


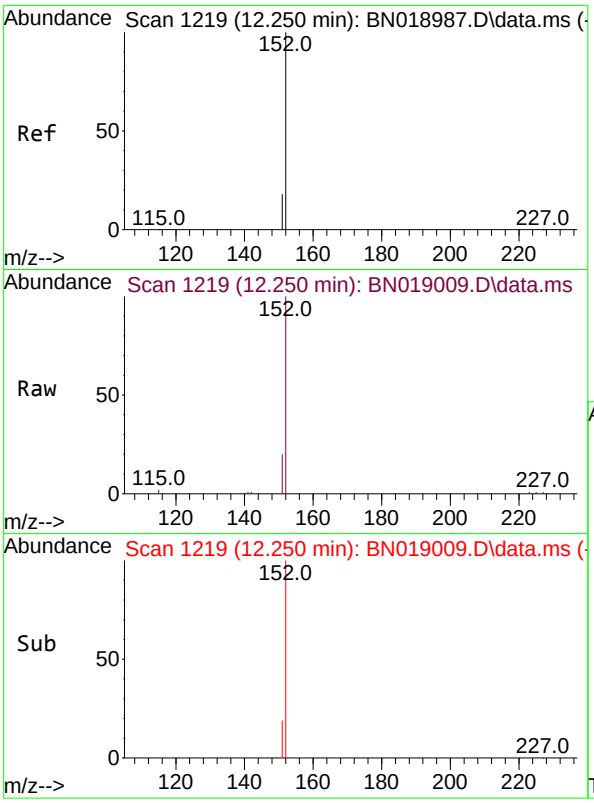


#10
Hexachlorobutadiene
Concen: 0.393 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.011 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:225 Resp: 4098

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.0	76.6



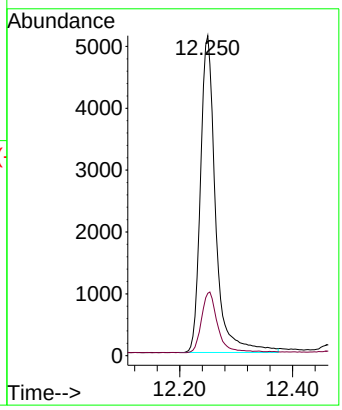


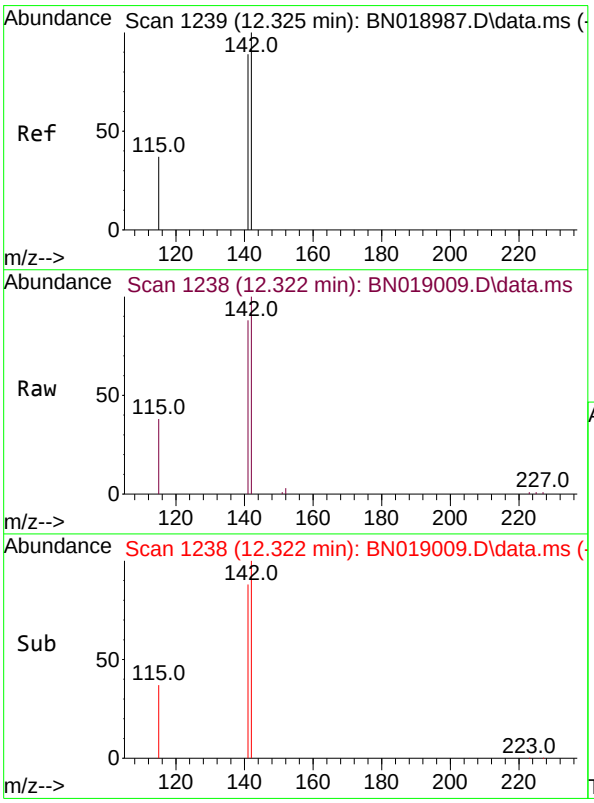
#11
2-Methylnaphthalene-d10
Concen: 0.383 ng
RT: 12.250 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 9534

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7

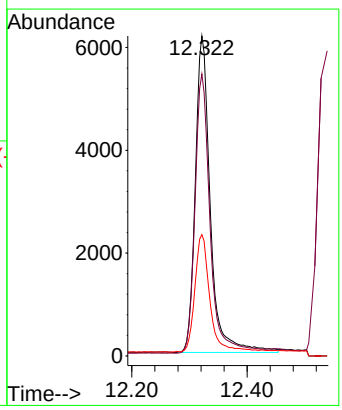


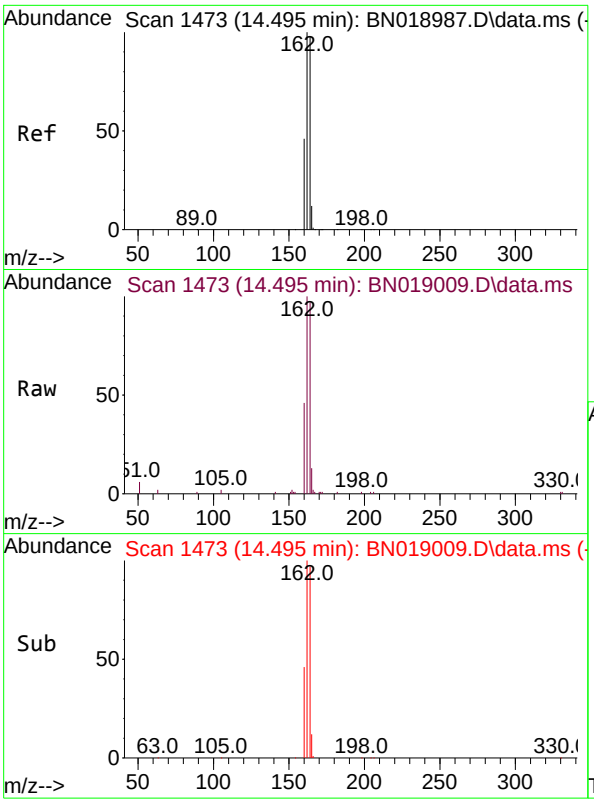


#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.322 min Scan# 1238
Delta R.T. -0.004 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:142 Resp: 11166

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.0	105.0
115	37.9	29.8	44.8



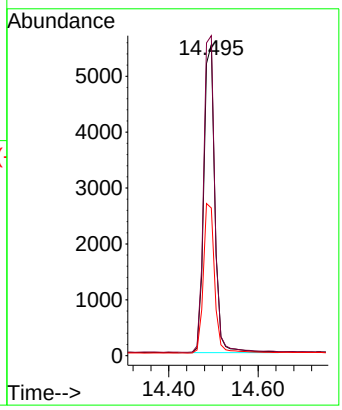


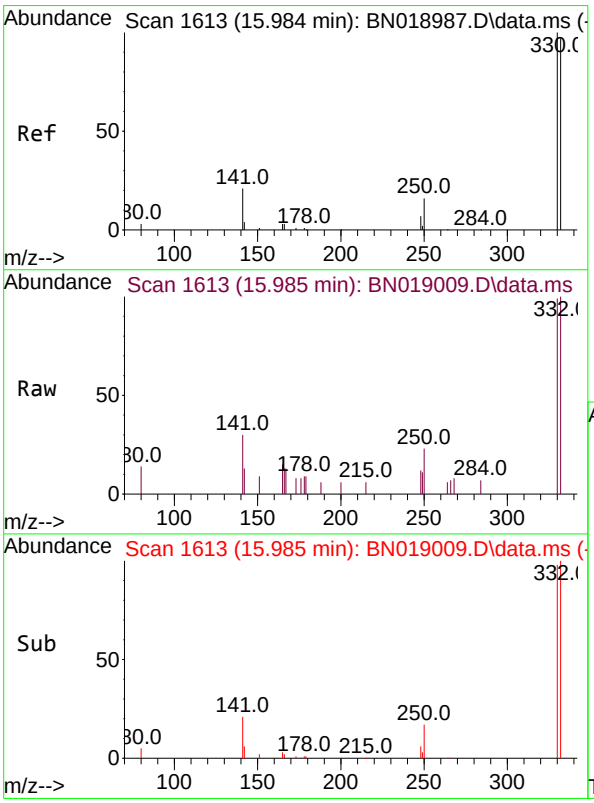
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 9422

Ion	Ratio	Lower	Upper
164	100		
162	102.9	85.2	127.8
160	47.5	41.5	62.3

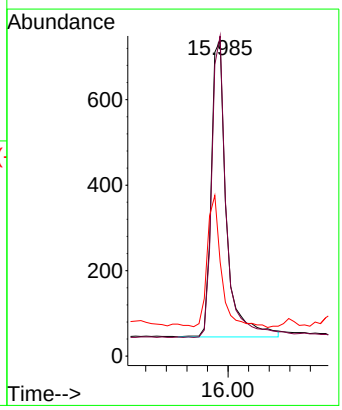


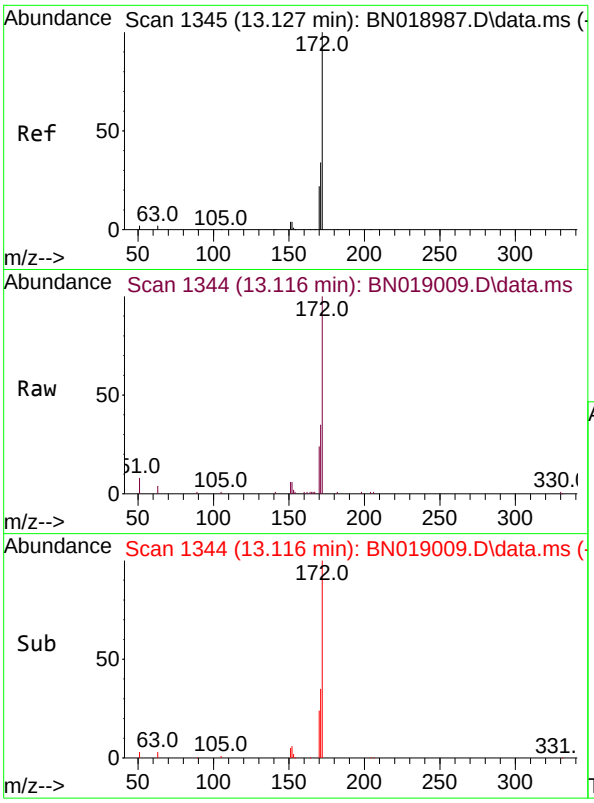


#14
2,4,6-Tribromophenol
Concen: 0.312 ng
RT: 15.985 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:330 Resp: 1418

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.8	115.2
141	41.3	32.2	48.2



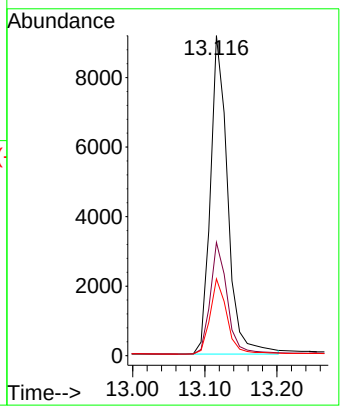


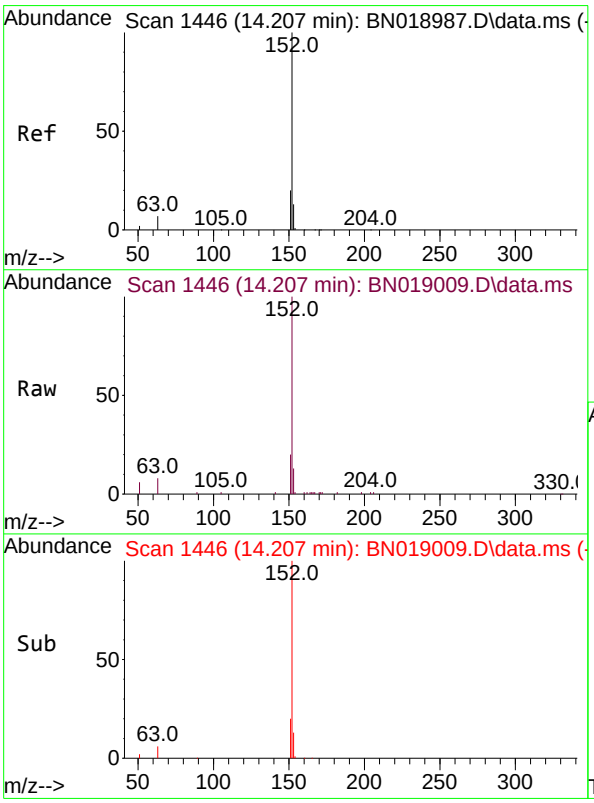
#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 13.116 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 15221

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	24.0	18.7	28.1

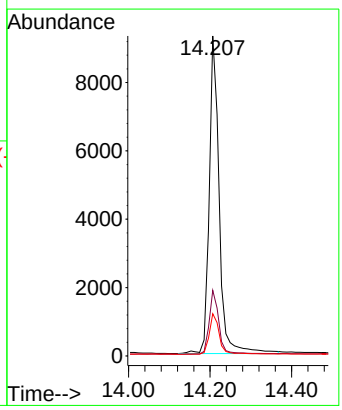


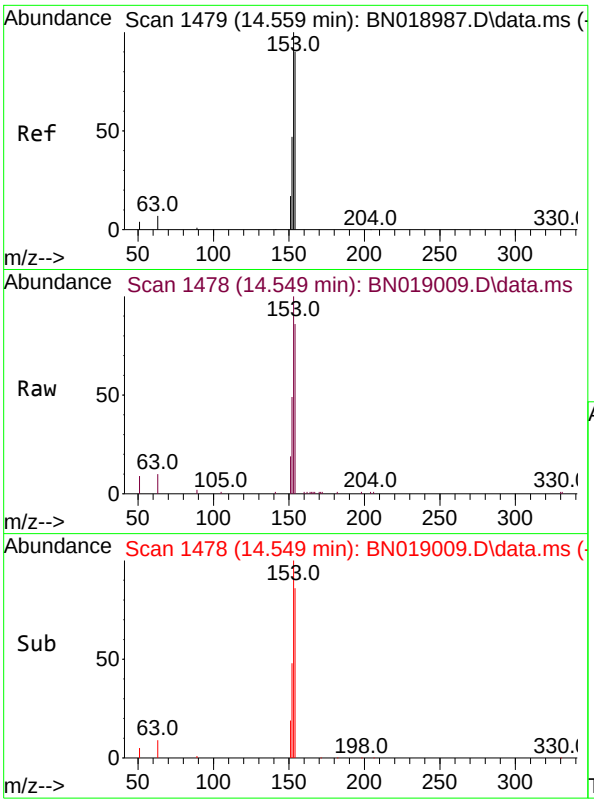


#16
Acenaphthylene
Concen: 0.362 ng
RT: 14.207 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:152 Resp: 15807

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.6	15.8



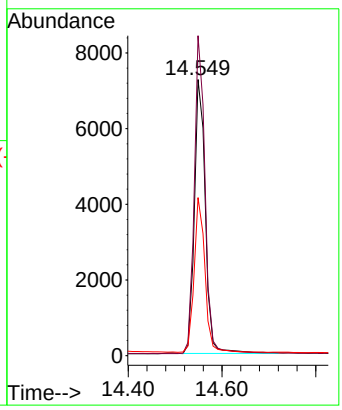


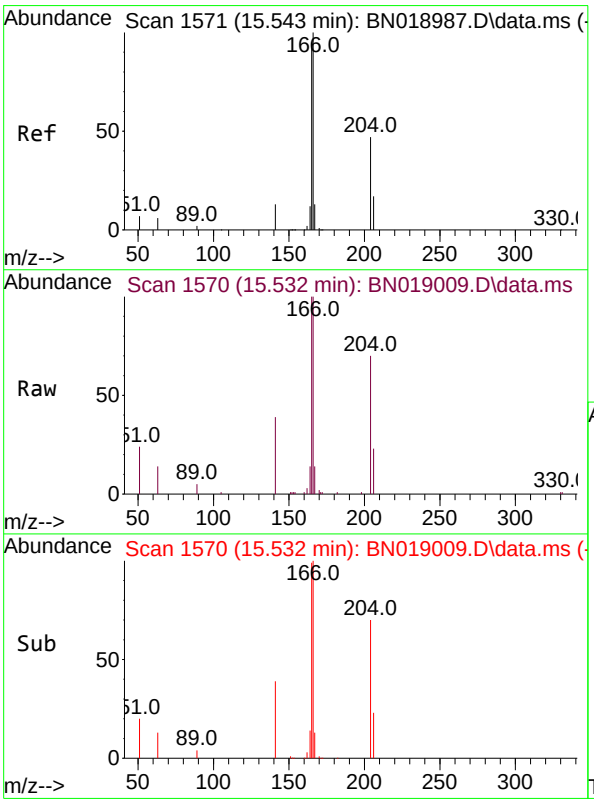
#17
Acenaphthene
Concen: 0.386 ng
RT: 14.549 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 11839

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.7	134.5
152	55.3	44.7	67.1

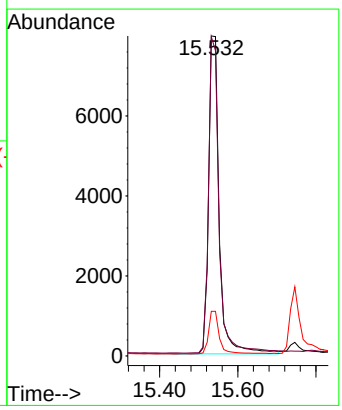


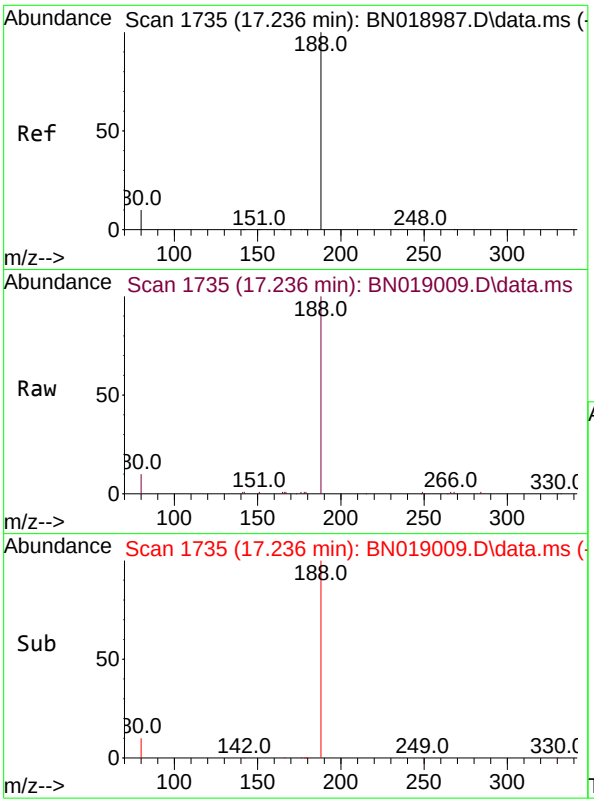


#18
Fluorene
Concen: 0.389 ng
RT: 15.532 min Scan# 1570
Delta R.T. -0.011 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:166 Resp: 15017

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.2	118.8
167	13.5	10.7	16.1



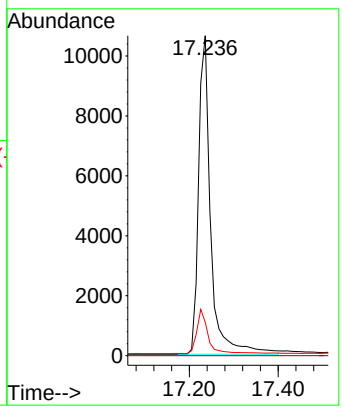


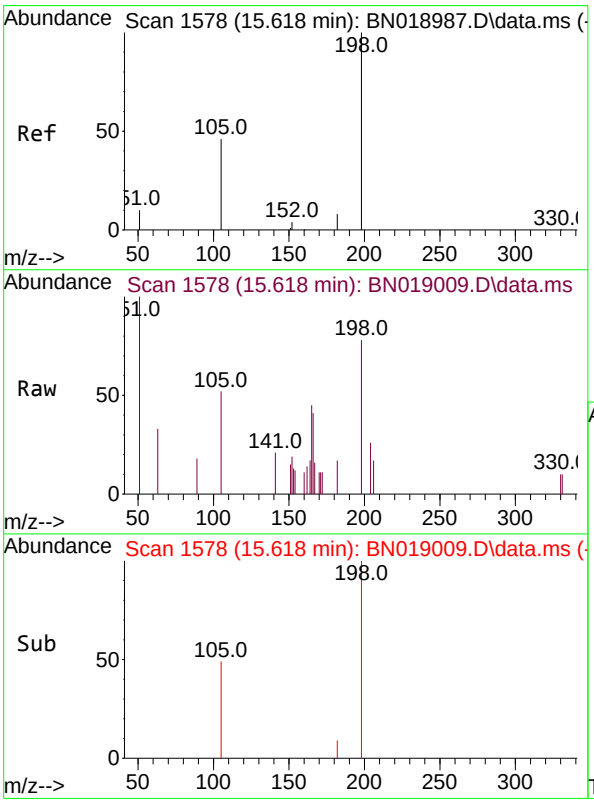
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 20101

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	11.8	17.8#

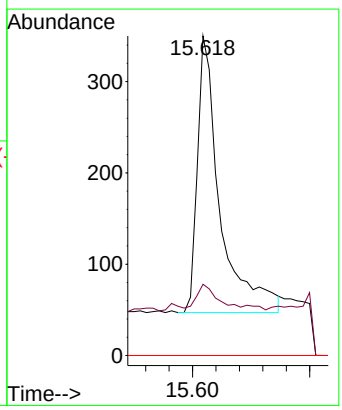


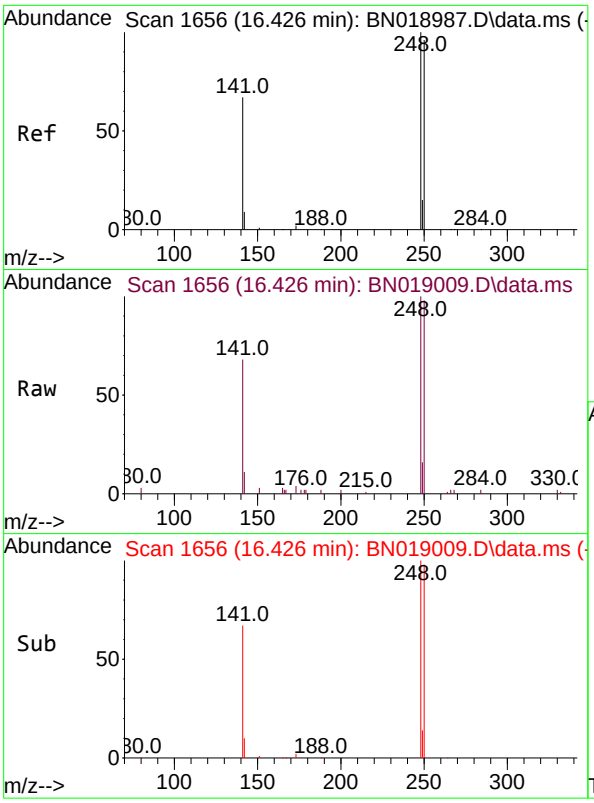


#20
4,6-Dinitro-2-methylphenol
Concen: 0.324 ng
RT: 15.618 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:198 Resp: 813

Ion	Ratio	Lower	Upper
198	100		
182	22.3	13.0	19.4#
77	0.0	0.0	0.0



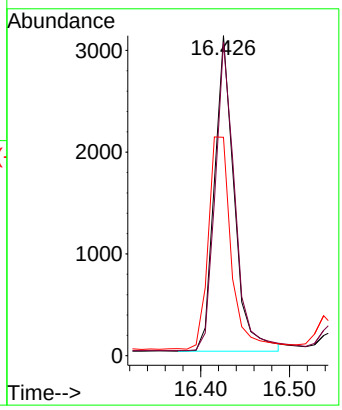


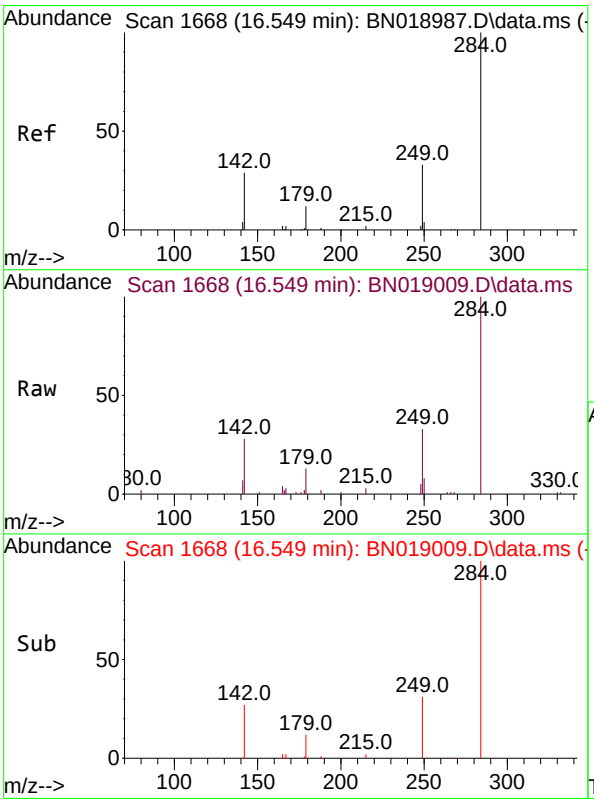
#21
4-Bromophenyl-phenylether
Concen: 0.377 ng
RT: 16.426 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4774

Ion	Ratio	Lower	Upper
248	100		
250	98.0	80.7	121.1
141	68.2	39.6	59.4#

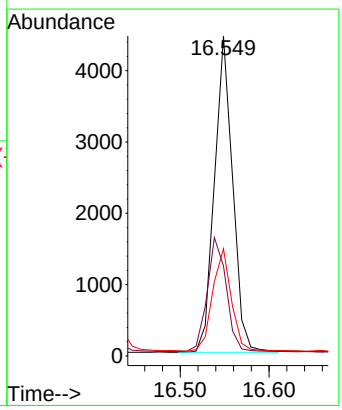


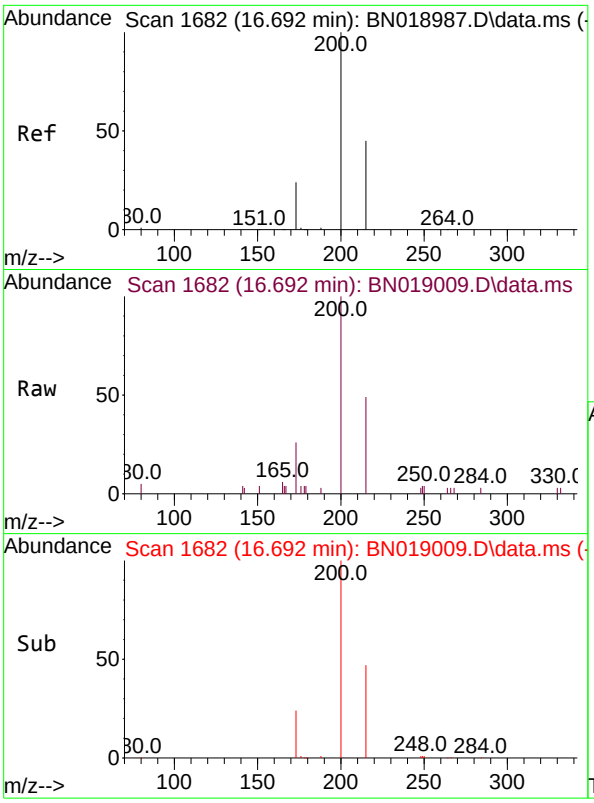


#22
Hexachlorobenzene
Concen: 0.387 ng
RT: 16.549 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:284 Resp: 6317

Ion	Ratio	Lower	Upper
284	100		
142	37.7	29.8	44.8
249	33.4	26.2	39.2



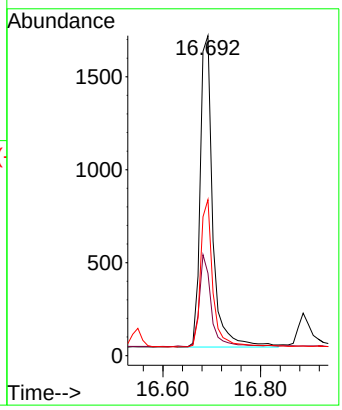


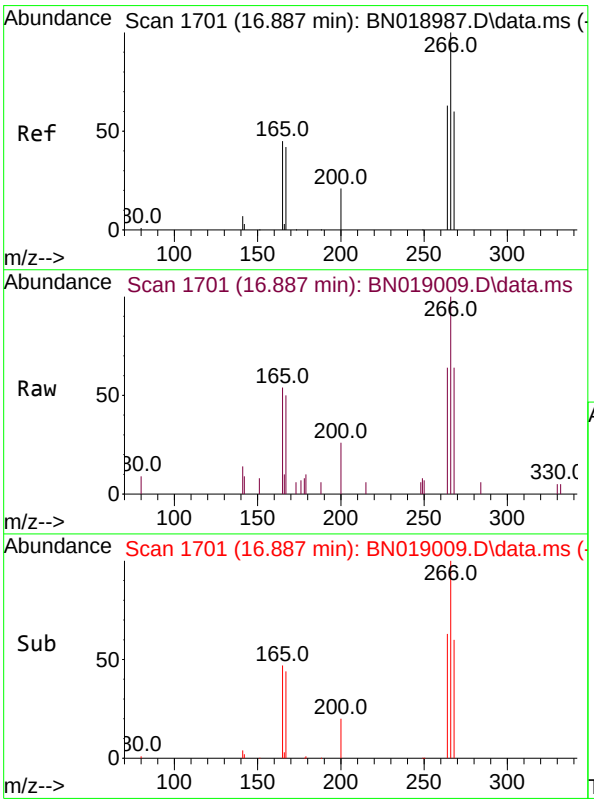
#23
Atrazine
Concen: 0.315 ng
RT: 16.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 2987

Ion	Ratio	Lower	Upper
200	100		
173	25.7	23.9	35.9
215	48.8	36.6	54.8

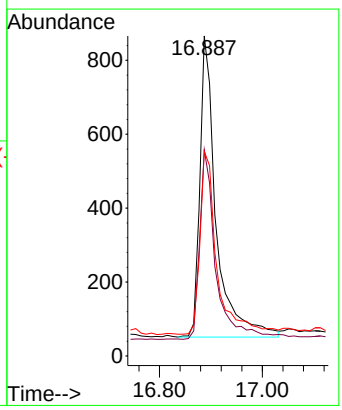


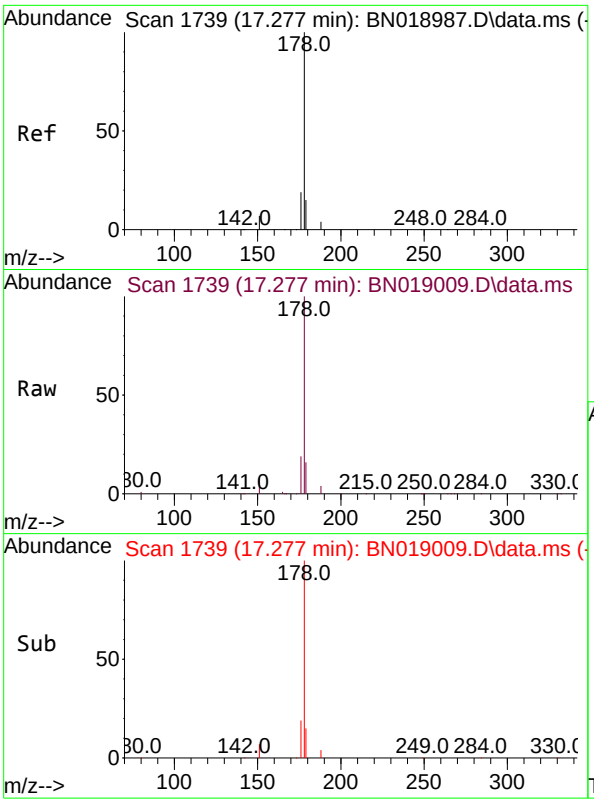


#24
Pentachlorophenol
Concen: 0.357 ng
RT: 16.887 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:266 Resp: 1792

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.2	75.4
268	63.1	51.9	77.9



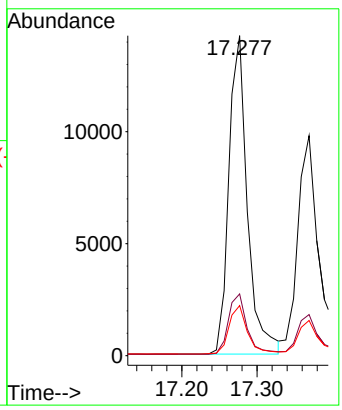


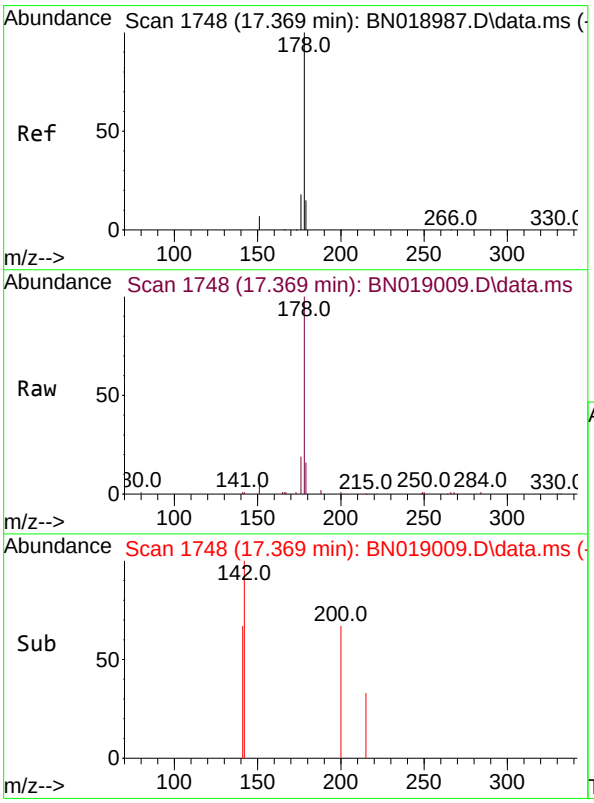
#25
Phenanthrene
Concen: 0.388 ng
RT: 17.277 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 24367

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.3	12.2	18.2

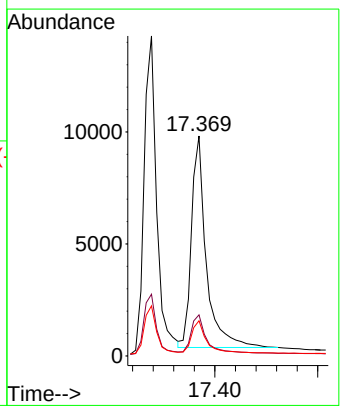


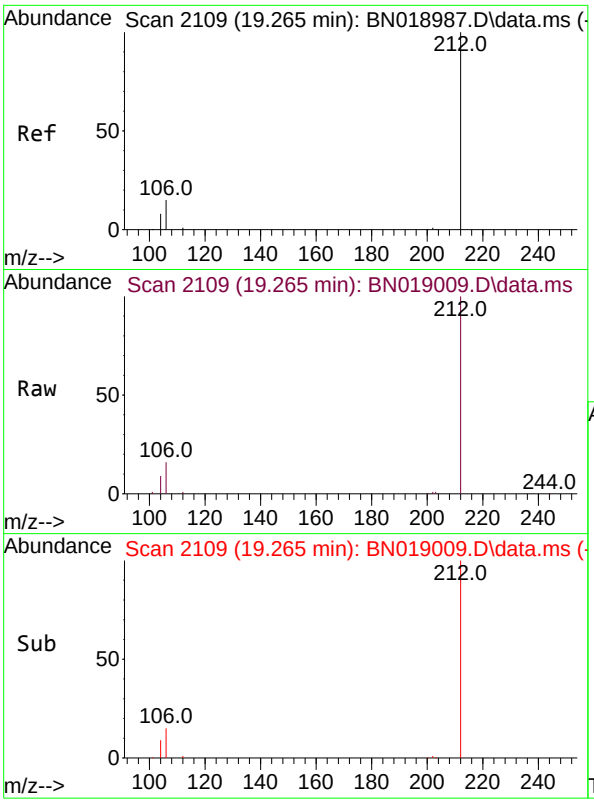


#26
Anthracene
Concen: 0.354 ng
RT: 17.369 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:178 Resp: 18824

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.4	12.2	18.4



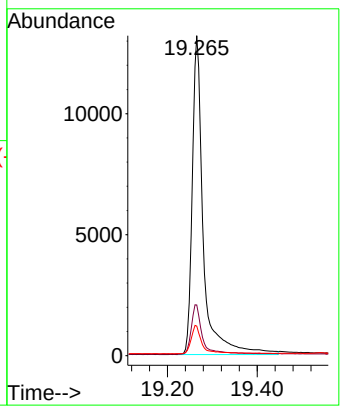


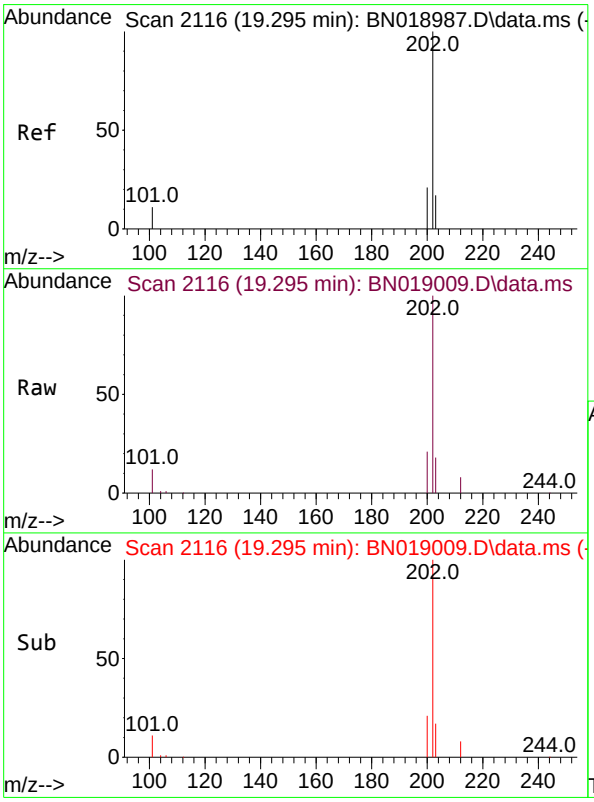
#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.265 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 22560

Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.7	19.1
104	8.6	7.1	10.7

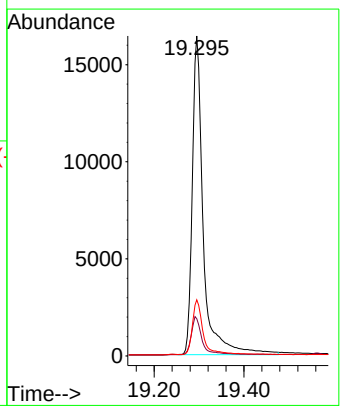


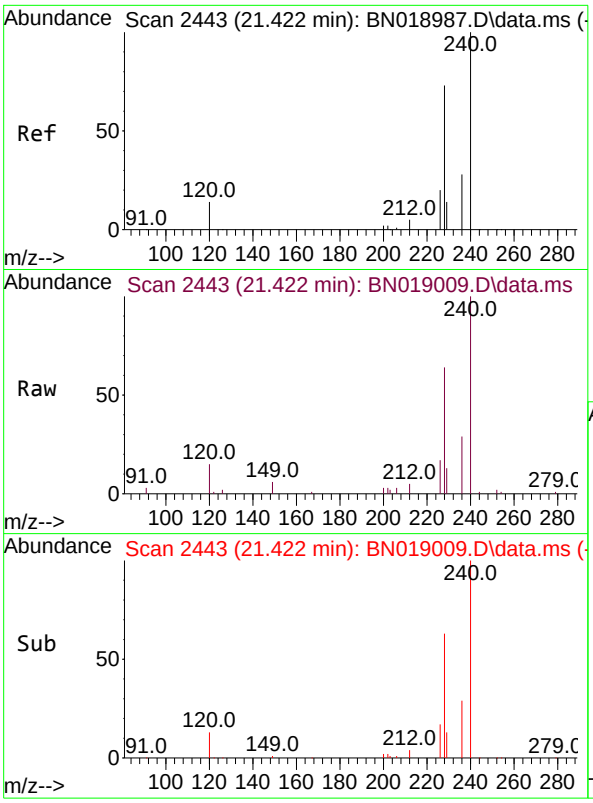


#28
Fluoranthene
Concen: 0.380 ng
RT: 19.295 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:202 Resp: 28043

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.8	14.6
203	17.0	13.7	20.5



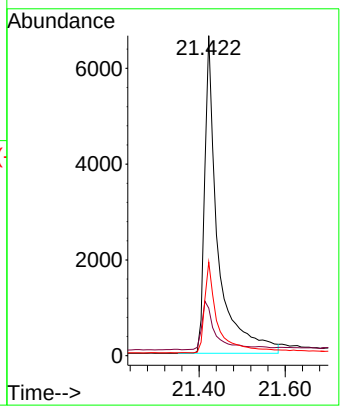


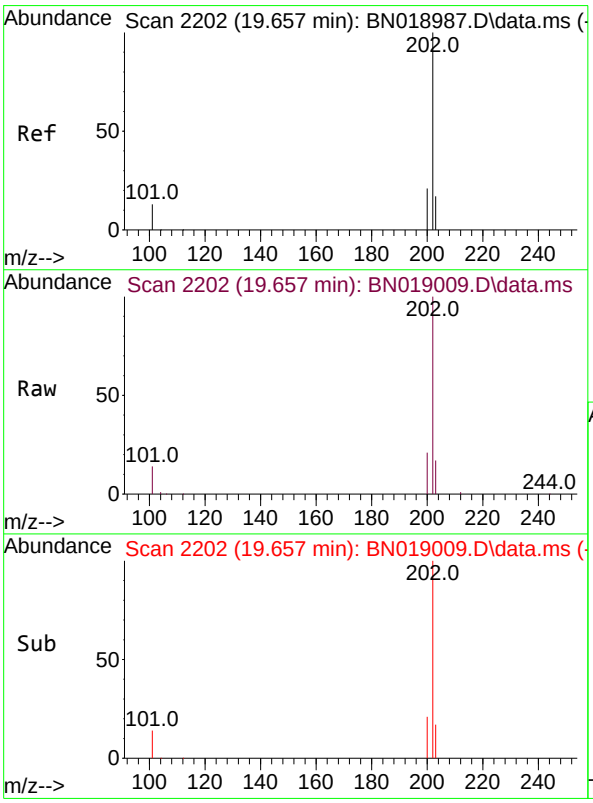
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.422 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 14198

Ion	Ratio	Lower	Upper
240	100		
120	14.8	8.5	12.7#
236	29.3	22.4	33.6

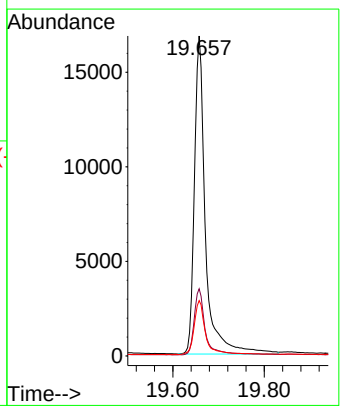


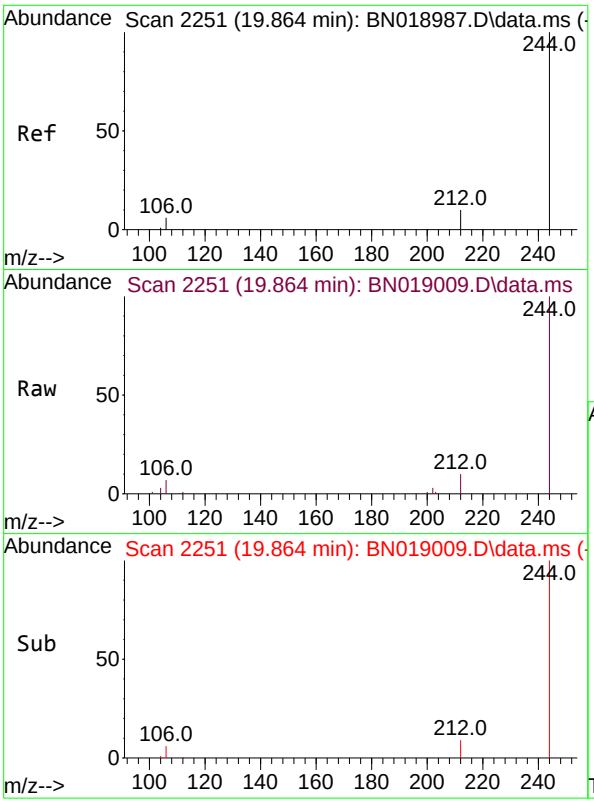


#30
Pyrene
Concen: 0.401 ng
RT: 19.657 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:202 Resp: 28363

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.7	14.2	21.2



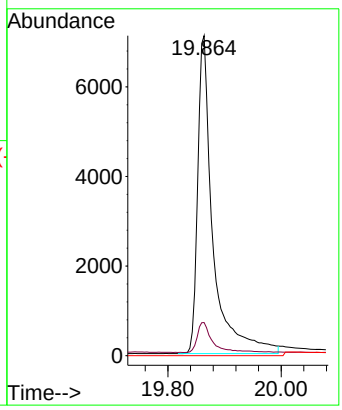


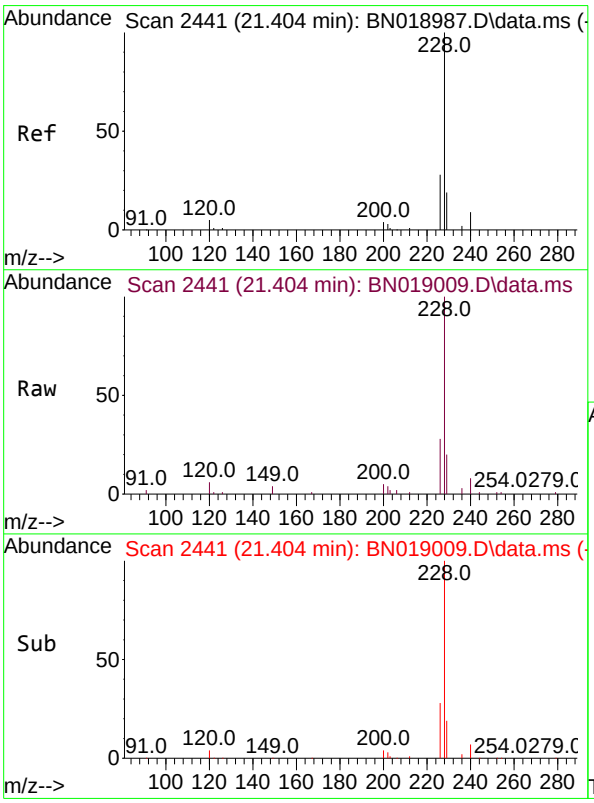
#31
Terphenyl-d14
Concen: 0.383 ng
RT: 19.864 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 13342

Ion	Ratio	Lower	Upper
244	100		
212	10.4	8.2	12.4
122	0.0	0.0	0.0

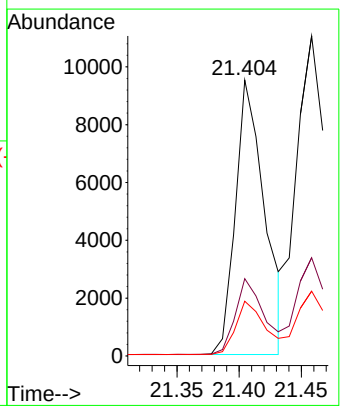


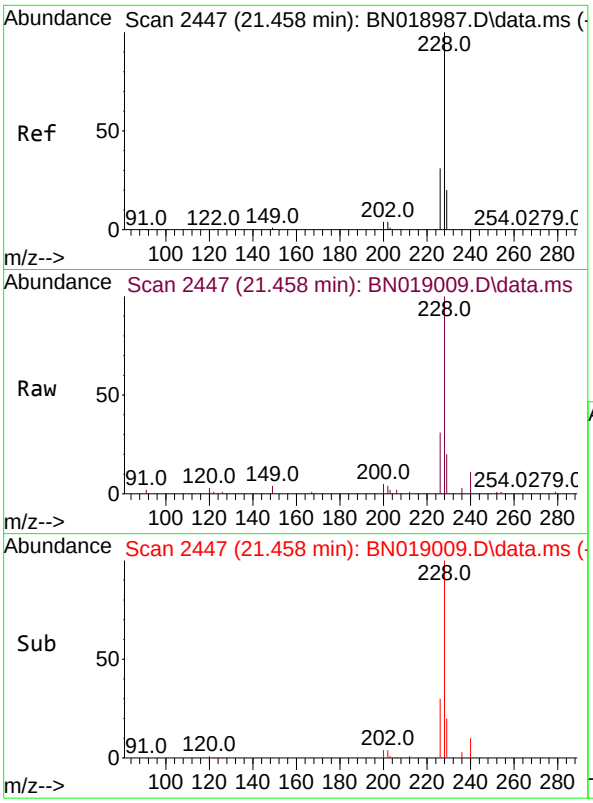


#32
Benzo(a)anthracene
Concen: 0.354 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:228 Resp: 15486

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	19.9	16.0	24.0



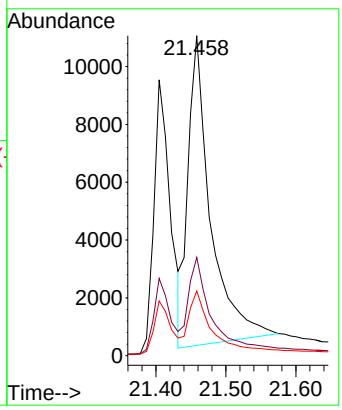


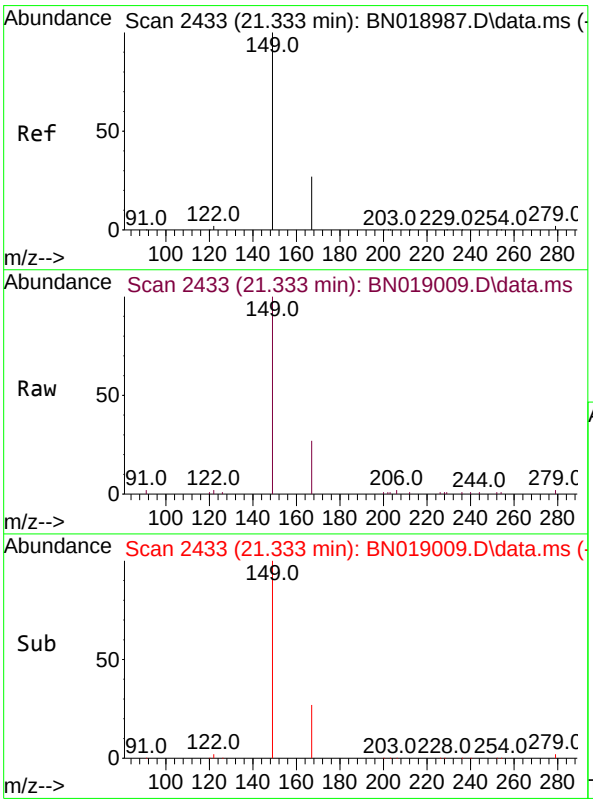
#33
Chrysene
Concen: 0.405 ng
RT: 21.458 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 23908

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.2	15.9	23.9

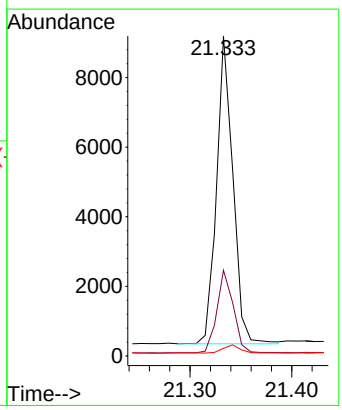


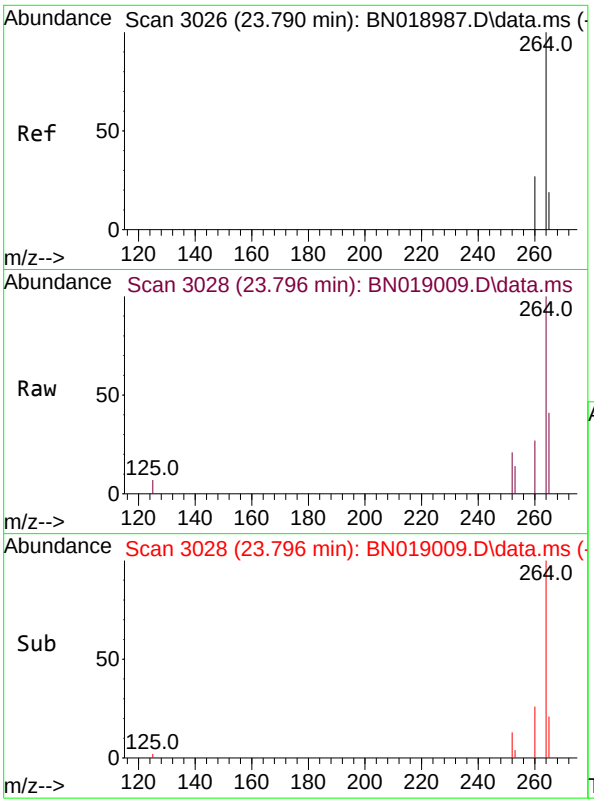


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.340 ng
RT: 21.333 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:149 Resp: 9851

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.8
279	2.9	2.0	3.0



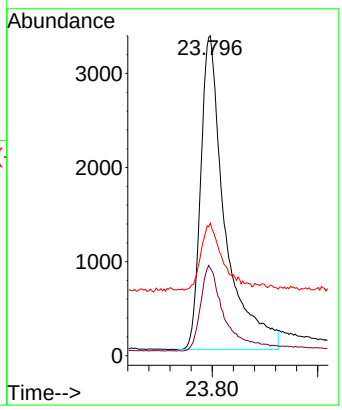


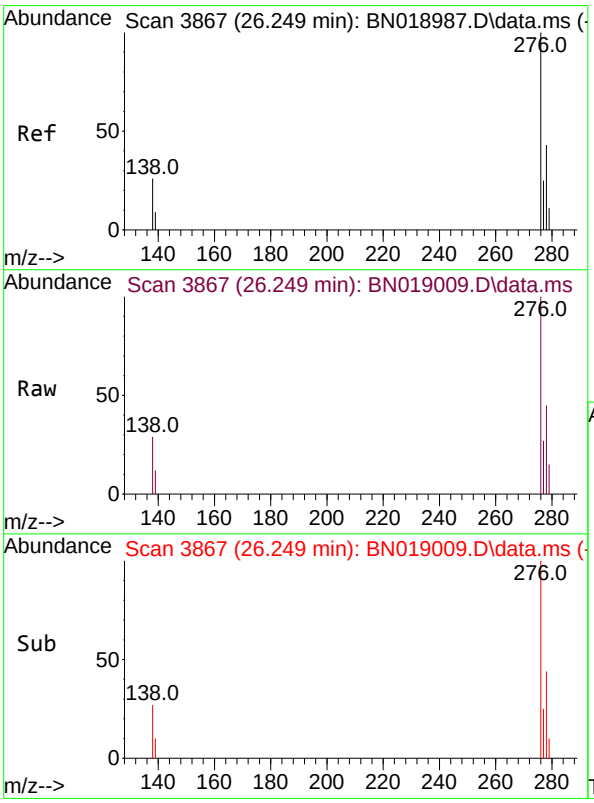
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.796 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 10681

Ion	Ratio	Lower	Upper
264	100		
260	27.3	22.4	33.6
265	41.4	25.3	37.9#

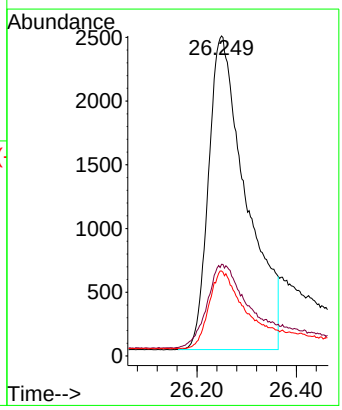


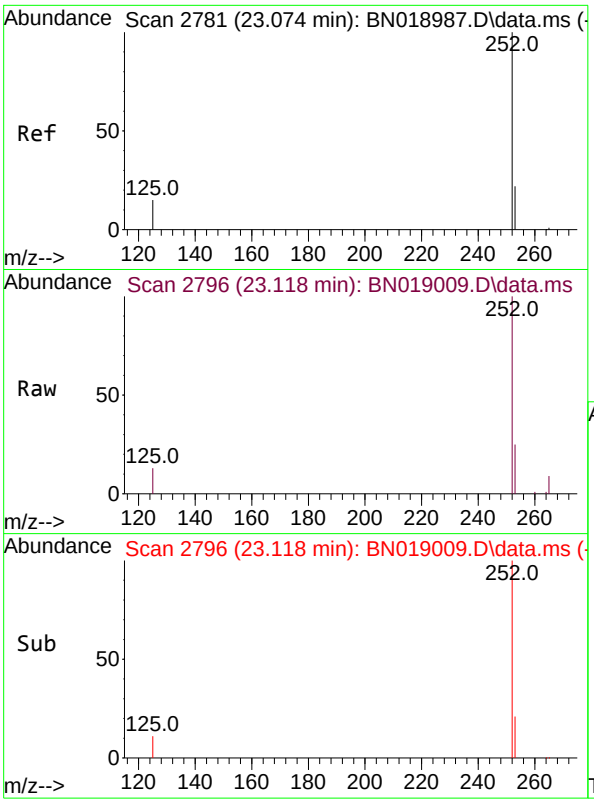


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.336 ng
RT: 26.249 min Scan# 3867
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:276 Resp: 12933

Ion	Ratio	Lower	Upper
276	100		
138	29.0	24.5	36.7
277	24.5	19.8	29.8



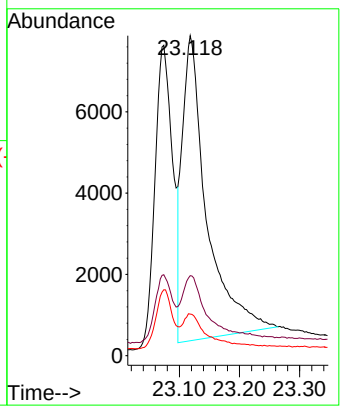


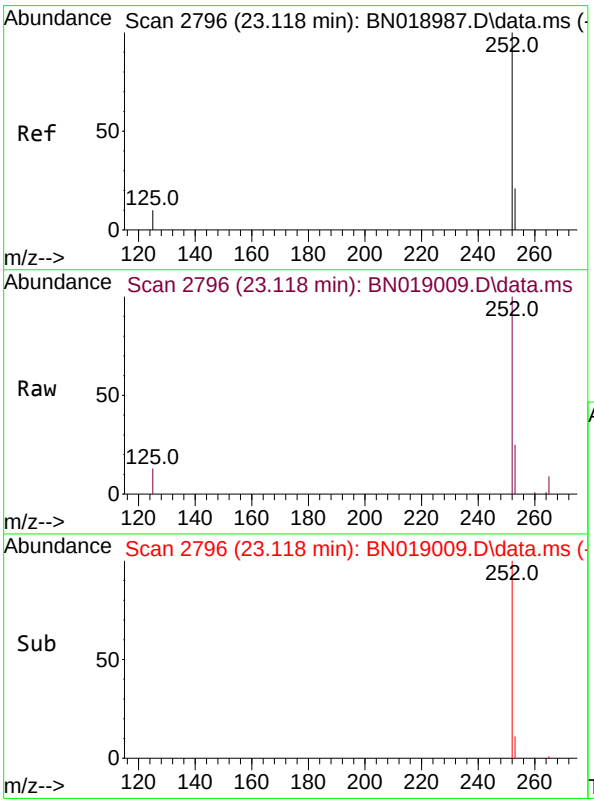
#37
Benzo(b)fluoranthene
Concen: 0.544 ng
RT: 23.118 min Scan# 2
Delta R.T. 0.044 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 21213

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.9	28.3
125	13.0	12.1	18.1

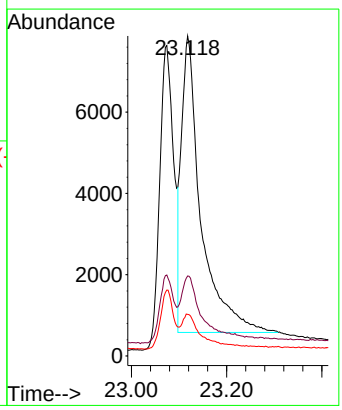


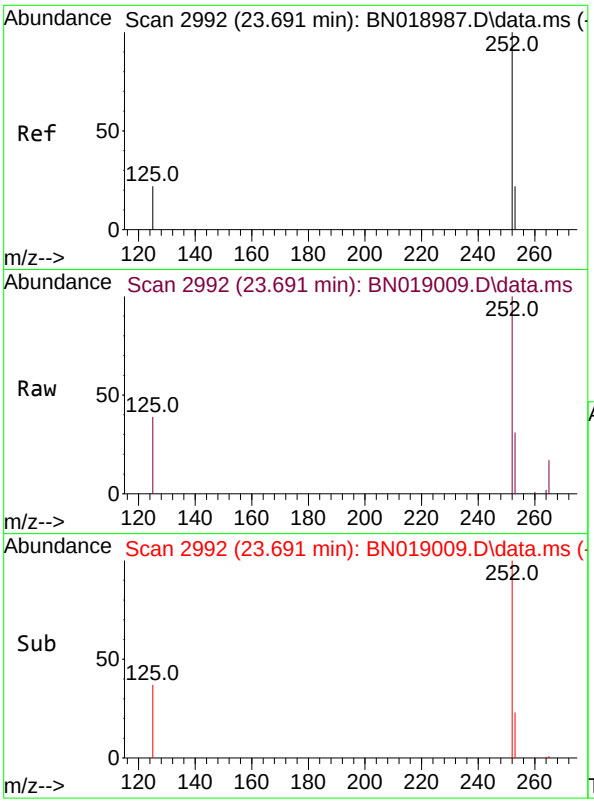


#38
Benzo(k)fluoranthene
Concen: 0.388 ng
RT: 23.118 min Scan# 2796
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:252 Resp: 20738

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.9	28.3
125	13.0	10.3	15.5



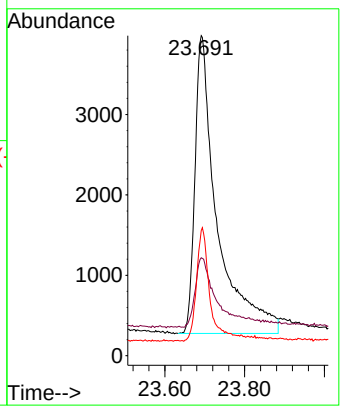


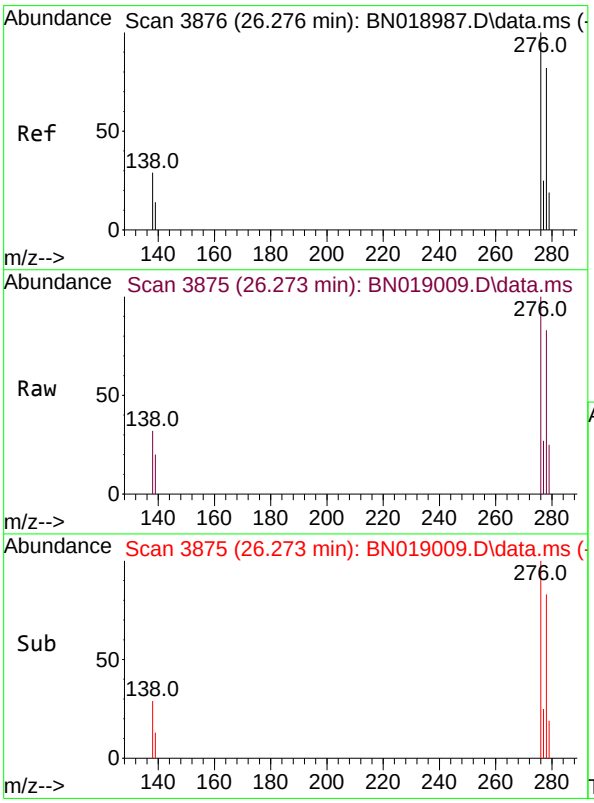
#39
Benzo(a)pyrene
Concen: 0.405 ng
RT: 23.691 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 14350

Ion	Ratio	Lower	Upper
252	100		
253	30.6	20.1	30.1#
125	39.1	15.2	22.8#

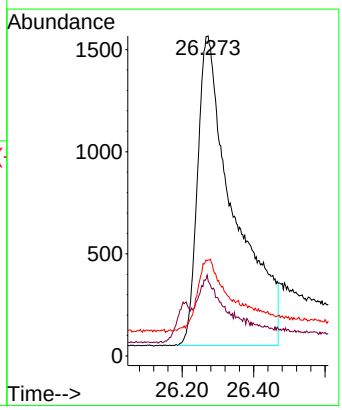


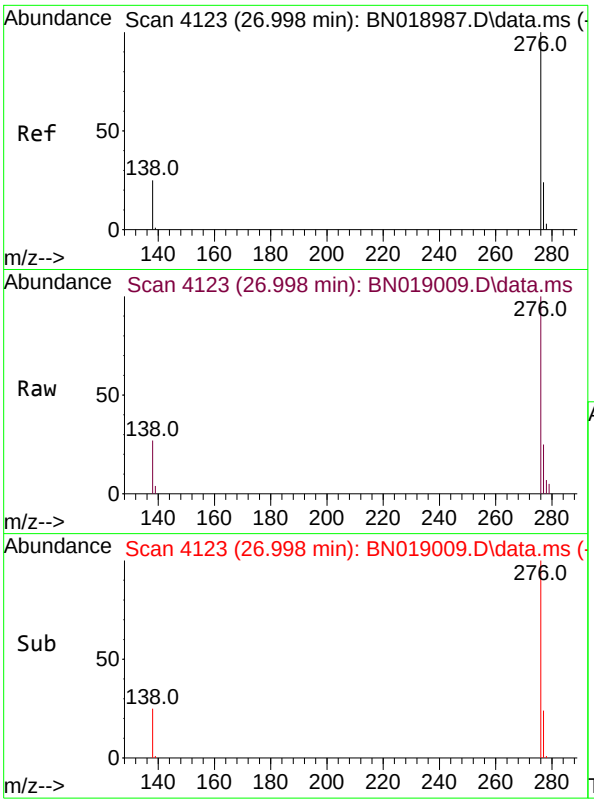


#40
Dibenzo(a,h)anthracene
Concen: 0.356 ng
RT: 26.273 min Scan# 3875
Delta R.T. -0.003 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Tgt Ion:278 Resp: 10676

Ion	Ratio	Lower	Upper
278	100		
139	23.5	17.2	25.8
279	30.0	19.9	29.9#





#41
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 26.998 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN019009.D
Acq: 18 Mar 2022 10:18

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 14897

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.4	29.0
138	27.0	21.0	31.6