Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082922\
Data File : BN021435.D
Acq On : 30 Aug 2022 00:29
Operator : CG/JU
Sample : PB147180BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Quant Time: Aug 30 01:37:30 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 29 16:30:43 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	4908	0.400	ng	0.00
7) Naphthalene-d8	10.909	136	15288	0.400	ng	0.00
13) Acenaphthene-d10	14.728	164	8273	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	17000	0.400	ng	0.00
29) Chrysene-d12	21.664	240	12564	0.400	ng	# 0.00
35) Perylene-d12	24.185	264	9312	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.599	112	3509	0.365	ng	0.00
5) Phenol-d6	7.224	99	4442	0.363	ng	0.00
8) Nitrobenzene-d5	9.243	82	3602	0.349	ng	-0.01
11) 2-Methylnaphthalene-d10	12.493	152	13259	0.385	ng	0.00
14) 2,4,6-Tribromophenol	16.218	330	838	0.309	ng	0.00
15) 2-Fluorobiphenyl	13.360	172	13389	0.370	ng	0.00
27) Fluoranthene-d10	19.505	212	15311	0.350	ng	0.00
31) Terphenyl-d14	20.097	244	10691	0.379	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.410	88	2351	0.383	ng	# 88
3) n-Nitrosodimethylamine	3.750	42	2034	0.368	ng	# 92
6) bis(2-Chloroethyl)ether	7.491	93	5777	0.375	ng	98
9) Naphthalene	10.962	128	16593	0.366	ng	99
10) Hexachlorobutadiene	11.240	225	2908	0.371	ng	# 100
12) 2-Methylnaphthalene	12.191	142	1888	0.377	ng	98
16) Acenaphthylene	14.450	152	13232	0.341	ng	100
17) Acenaphthene	14.793	154	9711	0.355	ng	96
18) Fluorene	15.776	166	12137	0.360	ng	100
21) 4-Bromophenyl-phenylether	16.659	248	3718	0.350	ng	# 74
22) Hexachlorobenzene	16.782	284	4752	0.365	ng	99
23) Atrazine	16.926	200	1975	0.318	ng	97
24) Pentachlorophenol	17.121	266	773	0.400	ng	98
25) Phenanthrene	17.521	178	20911	0.356	ng	100
26) Anthracene	17.613	178	15711	0.337	ng	99
28) Fluoranthene	19.535	202	21311	0.350	ng	100
30) Pyrene	19.898	202	24251	0.362	ng	98
32) Benzo(a)anthracene	21.646	228	15214	0.348	ng	100
33) Chrysene	21.700	228	19511	0.374	ng	99
34) Bis(2-ethylhexyl)phtha...	21.565	149	6494	0.368	ng	98
36) Indeno(1,2,3-cd)pyrene	26.843	276	15256	0.363	ng	100
37) Benzo(b)fluoranthene	23.407	252	15589	0.340	ng	98
38) Benzo(k)fluoranthene	23.460	252	15719	0.340	ng	99
39) Benzo(a)pyrene	24.074	252	11135	0.348	ng	99
40) Dibenzo(a,h)anthracene	26.863	278	12363	0.365	ng	97
41) Benzo(g,h,i)perylene	27.661	276	12699	0.342	ng	99

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

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Instrument :
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Quant Time: Aug 30 01:37:30 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 29 16:30:43 2022
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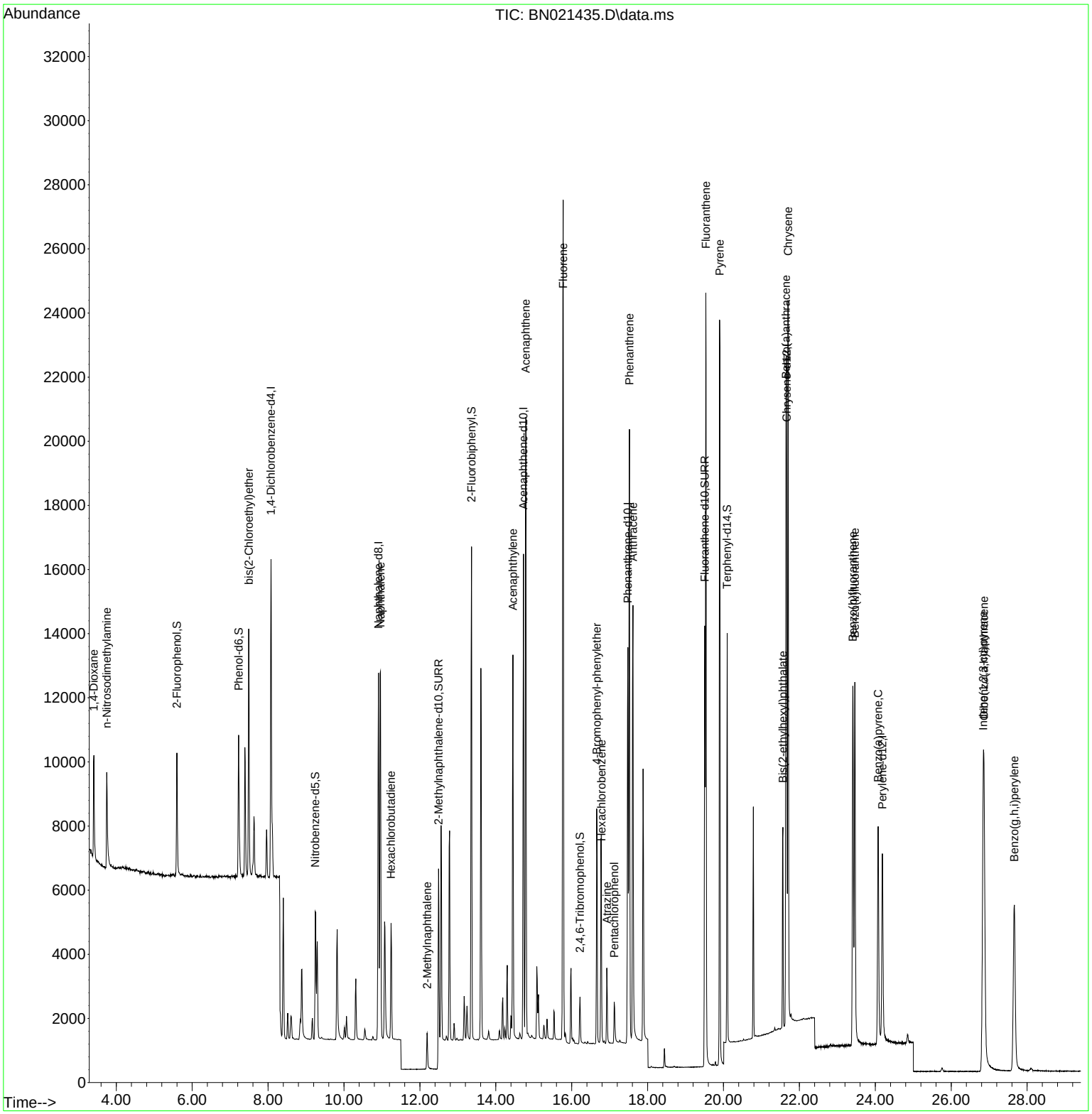
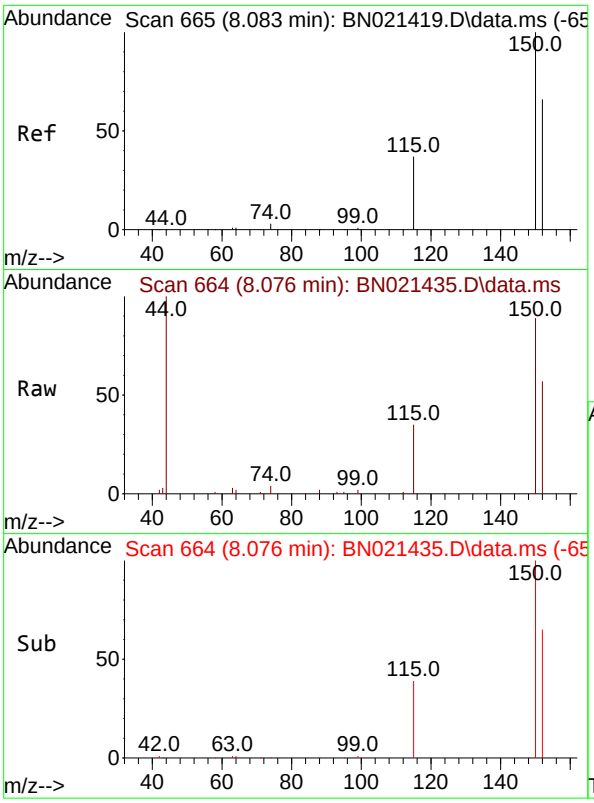


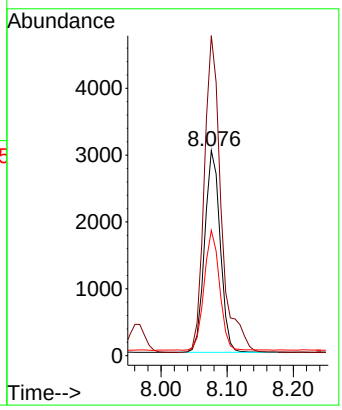


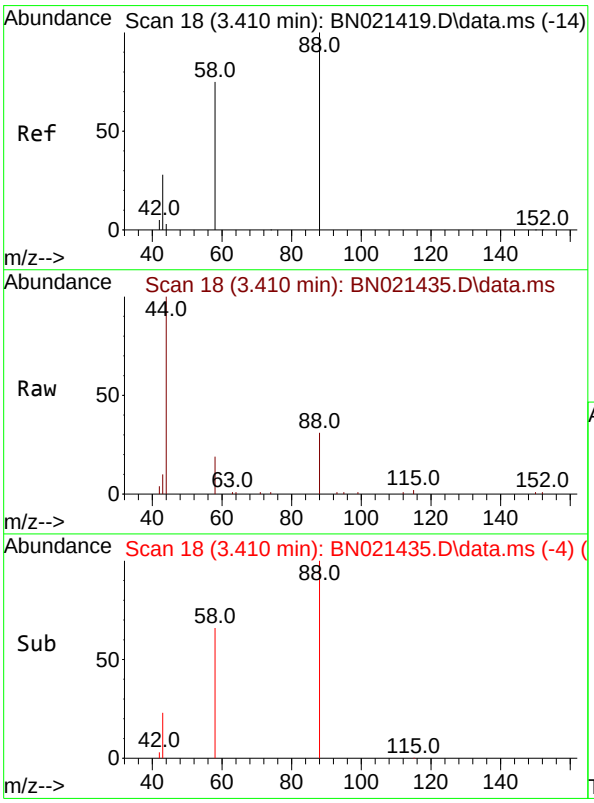
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.076 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:152 Resp: 4908

Ion	Ratio	Lower	Upper
152	100		
150	156.0	121.4	182.0
115	61.1	48.6	72.8

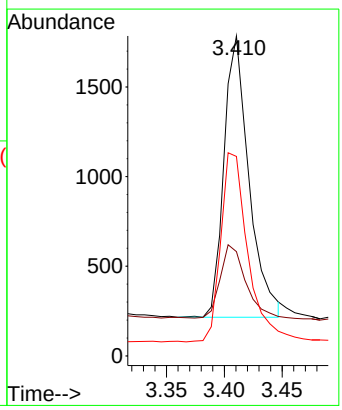


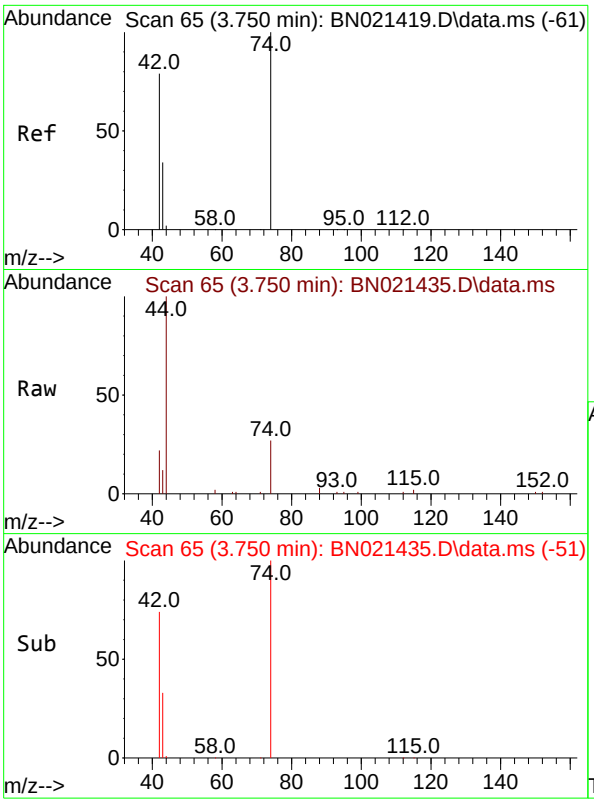


#2
1,4-Dioxane
Concen: 0.383 ng
RT: 3.410 min Scan# 18
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion: 88 Resp: 2351

Ion	Ratio	Lower	Upper
88	100		
43	26.5	35.8	53.8#
58	72.4	57.1	85.7



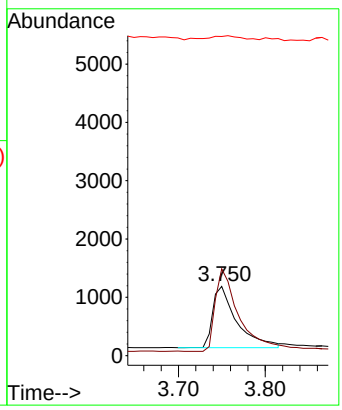


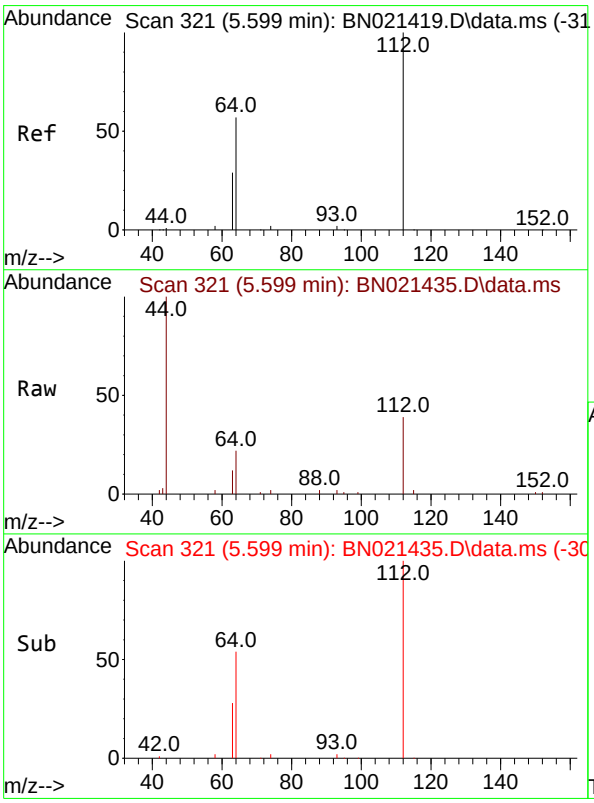
#3
n-Nitrosodimethylamine
Concen: 0.368 ng
RT: 3.750 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion: 42 Resp: 2034

Ion	Ratio	Lower	Upper
42	100		
74	131.4	113.0	169.6
44	8.8	10.5	15.7#

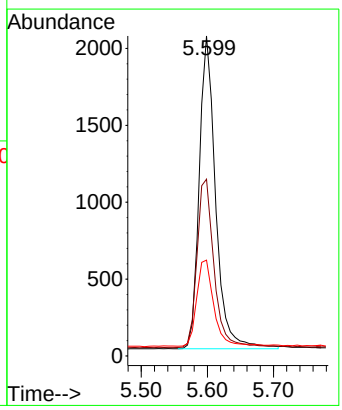


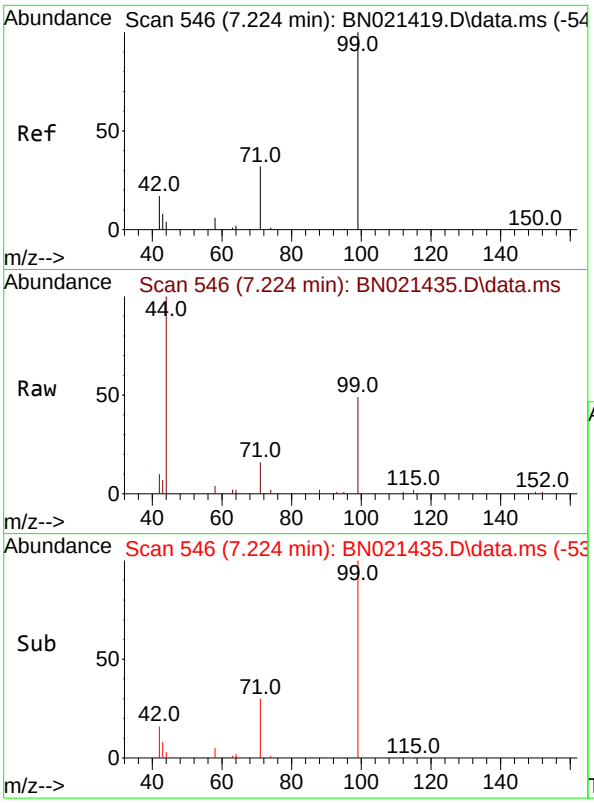


#4
2-Fluorophenol
Concen: 0.365 ng
RT: 5.599 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:112 Resp: 3509

Ion	Ratio	Lower	Upper
112	100		
64	56.3	43.5	65.3
63	28.8	22.6	34.0



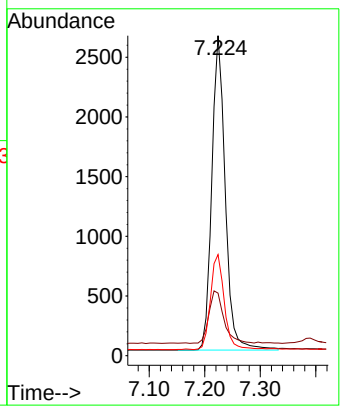


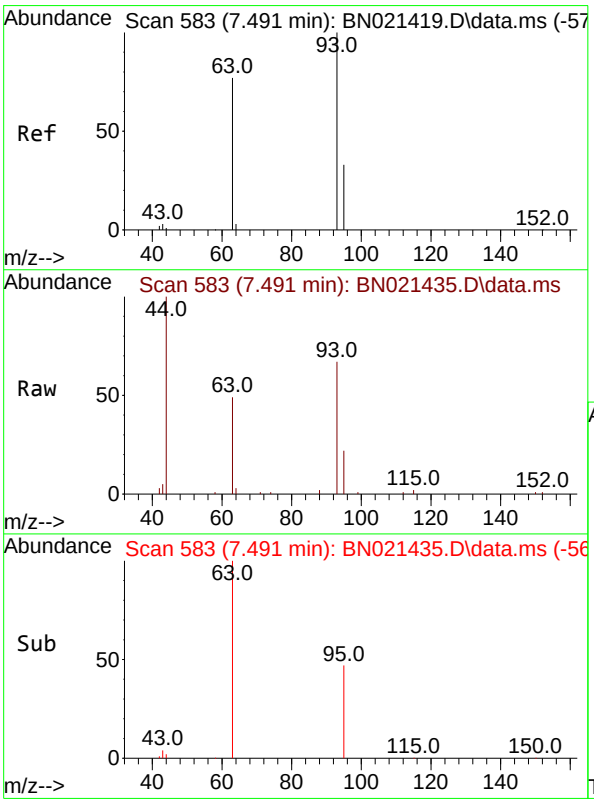
#5
Phenol-d6
Concen: 0.363 ng
RT: 7.224 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion: 99 Resp: 4442

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.5	23.3
71	31.2	24.2	36.2

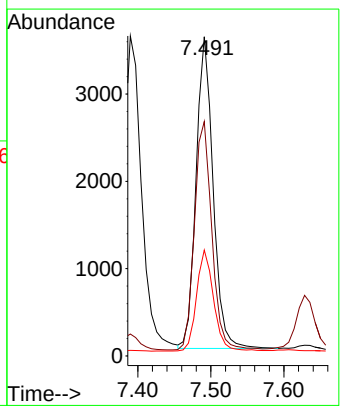


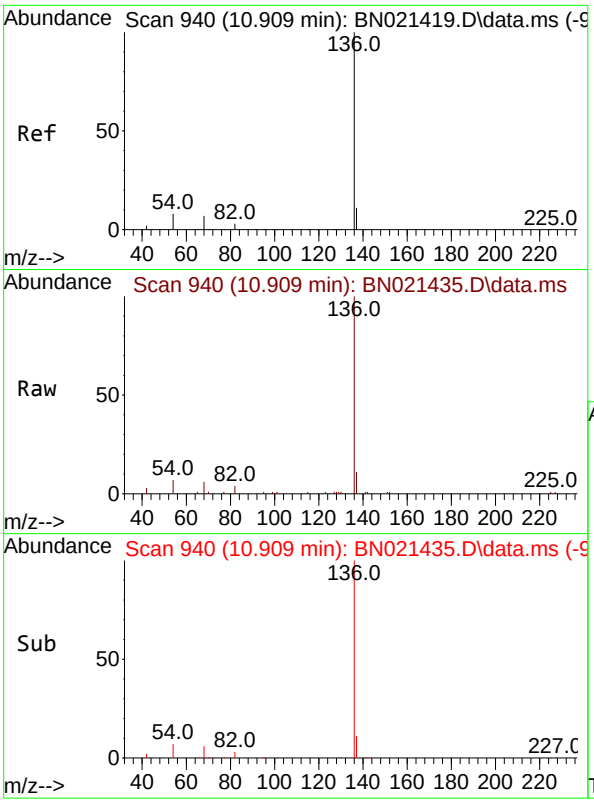


#6
bis(2-Chloroethyl)ether
Concen: 0.375 ng
RT: 7.491 min Scan# 583
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion: 93 Resp: 5777

Ion	Ratio	Lower	Upper
93	100		
63	74.9	57.8	86.8
95	32.5	25.9	38.9



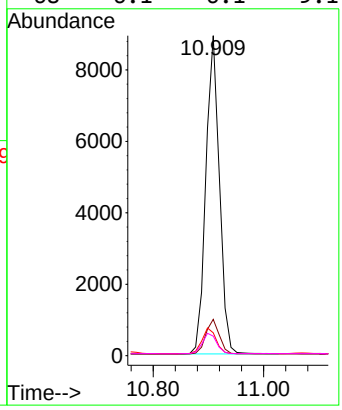


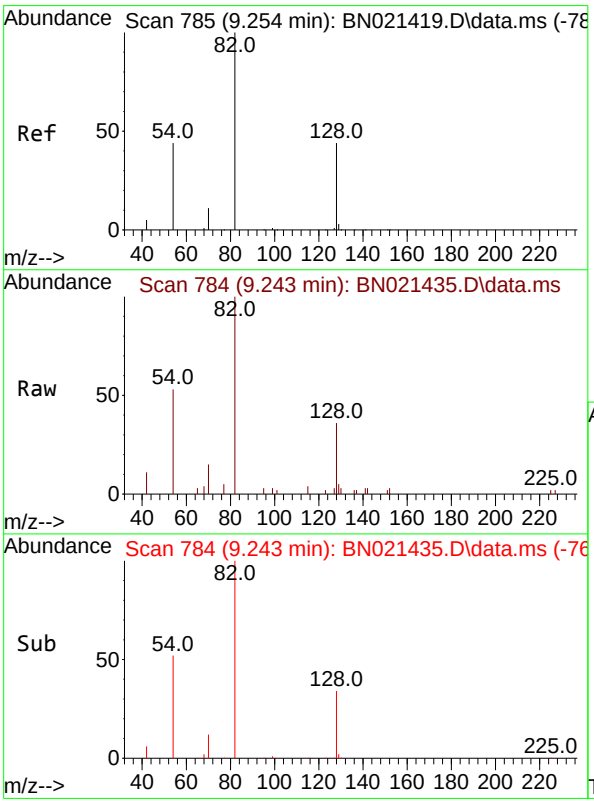
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.909 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:136 Resp: 15288

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	7.2	6.9	10.3
68	6.1	6.1	9.1

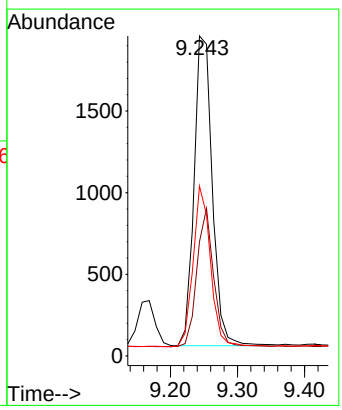


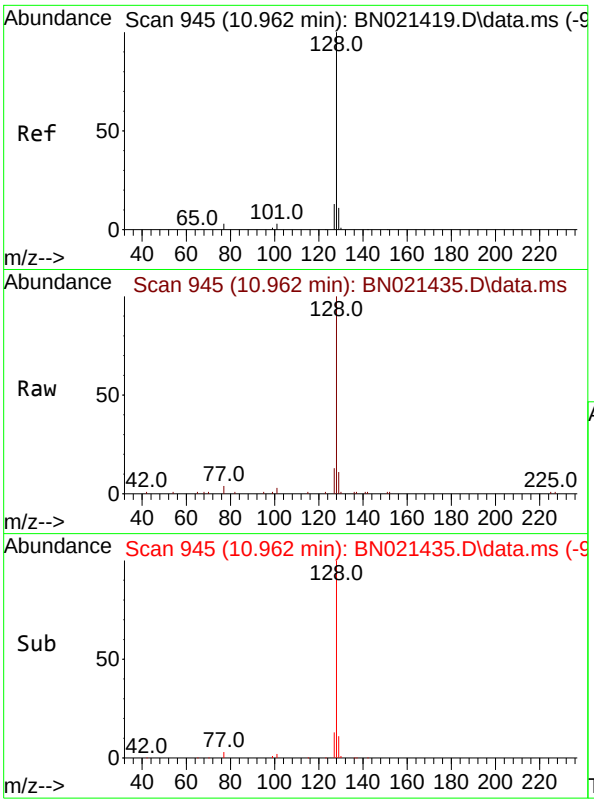


#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 9.243 min Scan# 784
Delta R.T. -0.011 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion: 82 Resp: 3602

Ion	Ratio	Lower	Upper
82	100		
128	35.7	30.9	46.3
54	53.1	42.7	64.1



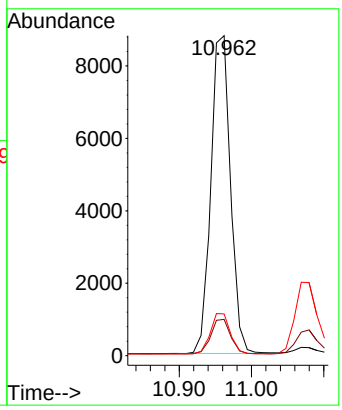


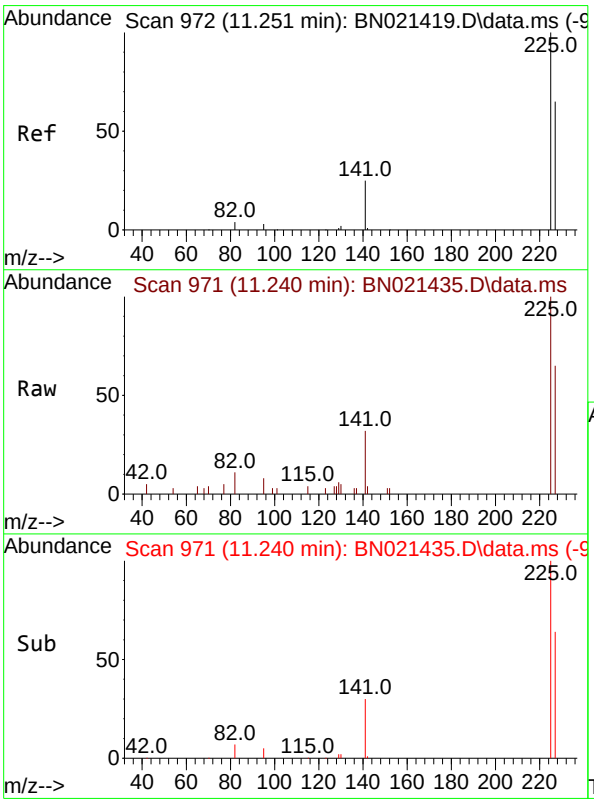
#9
Naphthalene
Concen: 0.366 ng
RT: 10.962 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:128 Resp: 16593

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.1	11.0	16.4

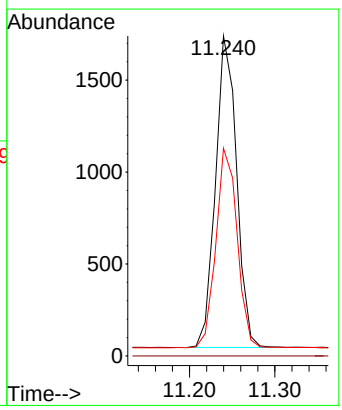


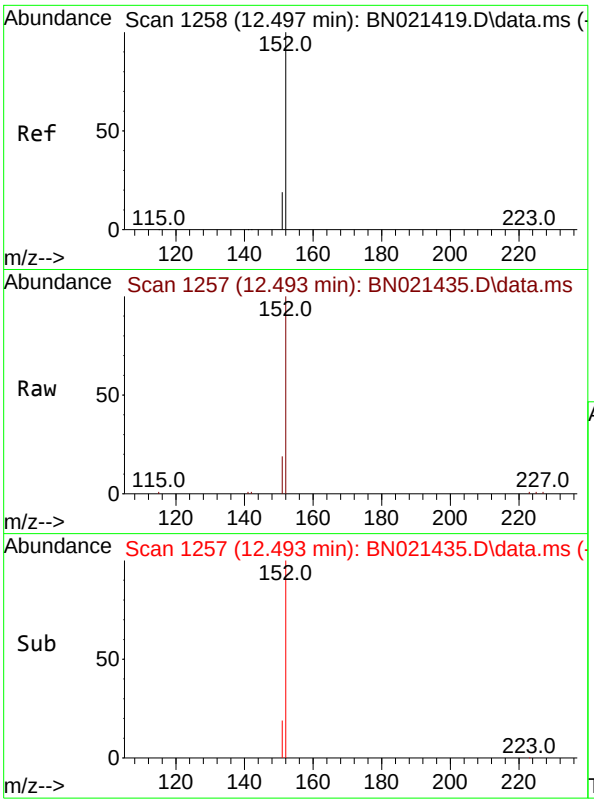


#10
Hexachlorobutadiene
Concen: 0.371 ng
RT: 11.240 min Scan# 971
Delta R.T. -0.011 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:225 Resp: 2908

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.2	76.8



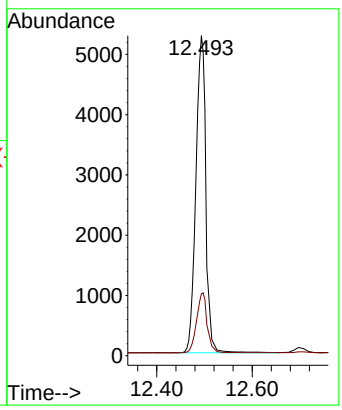


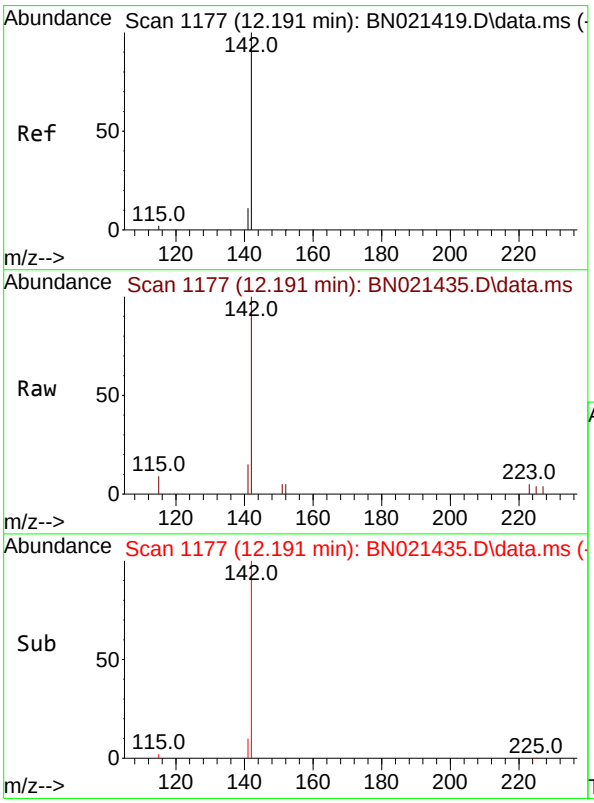
#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 12.493 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:152 Resp: 13259

Ion	Ratio	Lower	Upper
152	100		
151	18.1	14.5	21.7

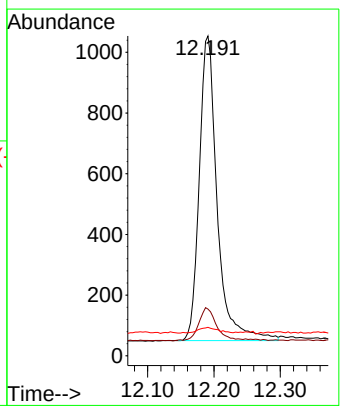


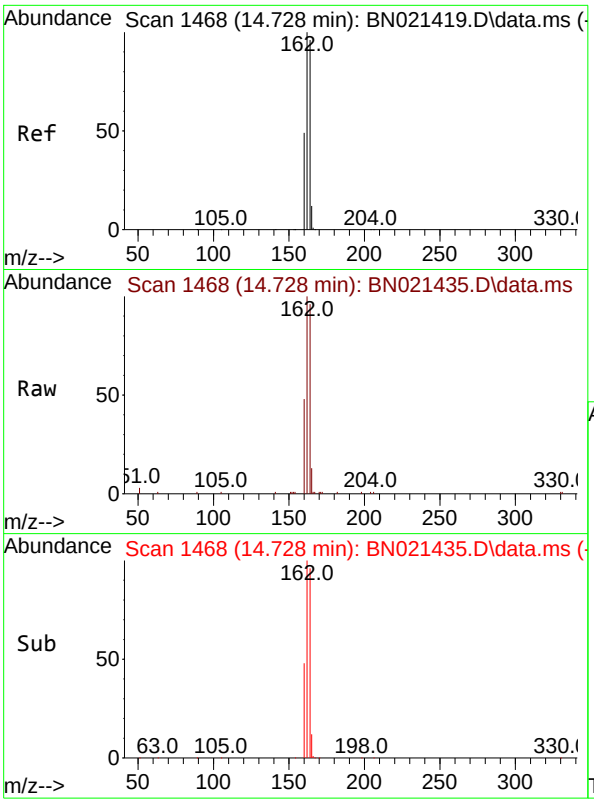


#12
2-Methylnaphthalene
Concen: 0.377 ng
RT: 12.191 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:142 Resp: 1888

Ion	Ratio	Lower	Upper
142	100		
141	14.6	12.2	18.2
115	8.9	7.9	11.9



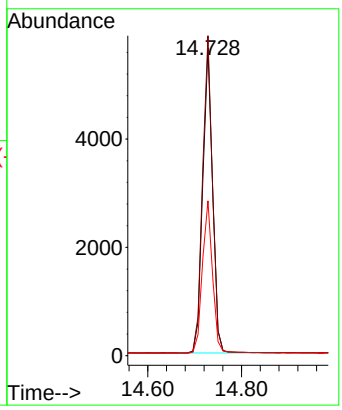


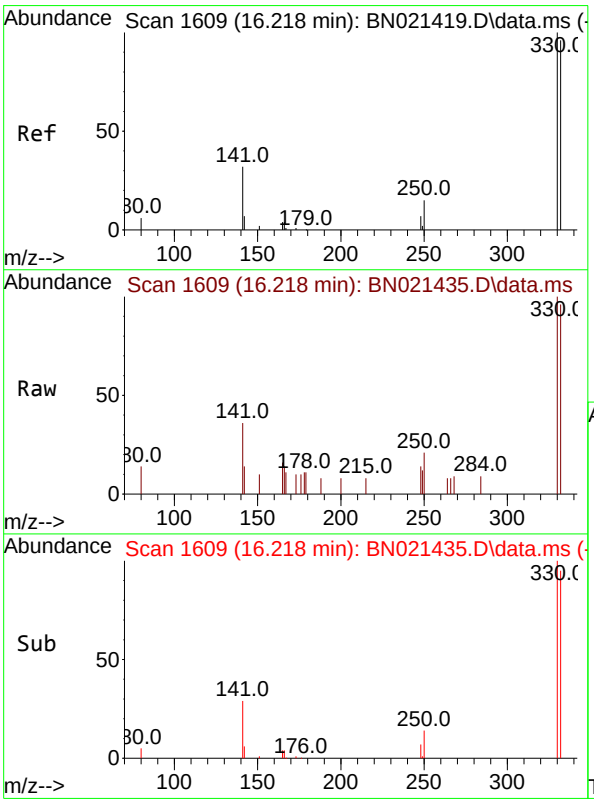
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.728 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:164 Resp: 8273

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.4
160	50.3	39.5	59.3

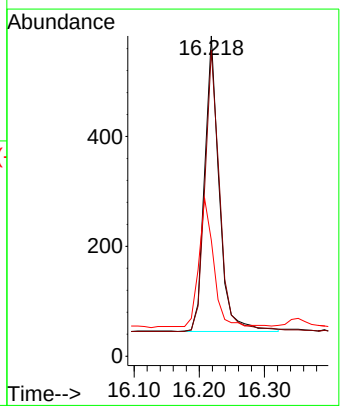


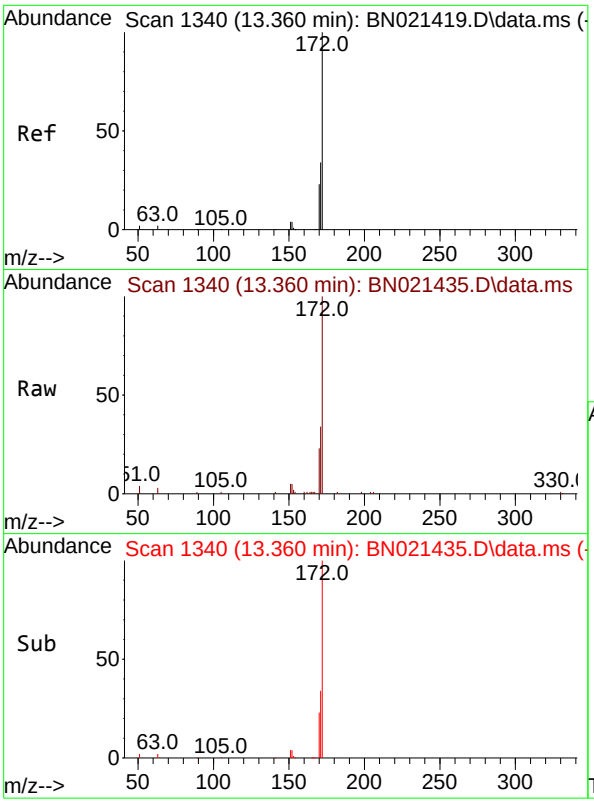


#14
2,4,6-Tribromophenol
Concen: 0.309 ng
RT: 16.218 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:330 Resp: 838

Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.3	118.9
141	43.1	37.1	55.7



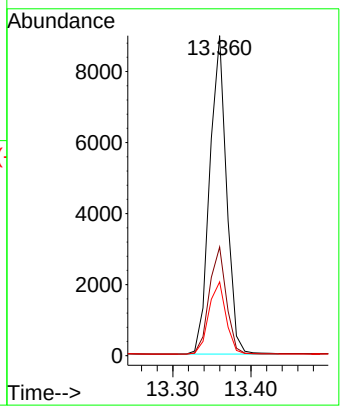


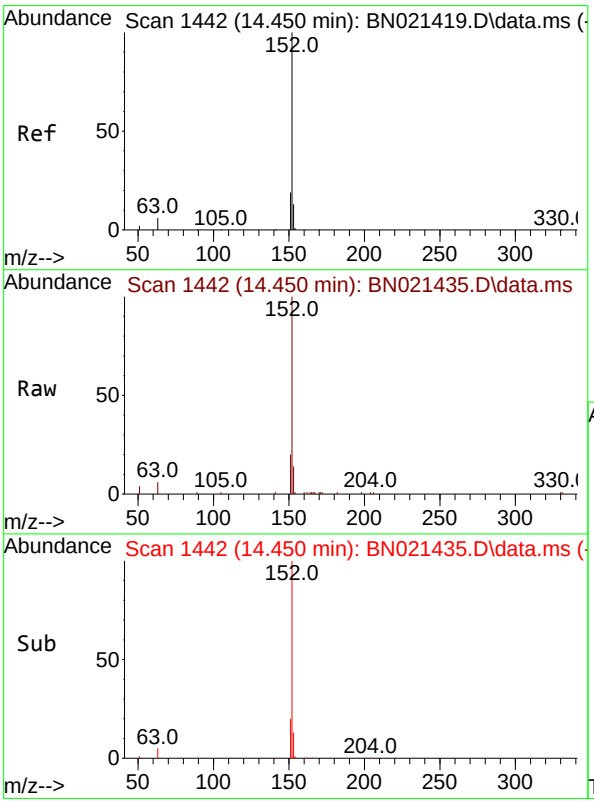
#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 13.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:172 Resp: 13389

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.8	41.6
170	23.1	18.6	28.0

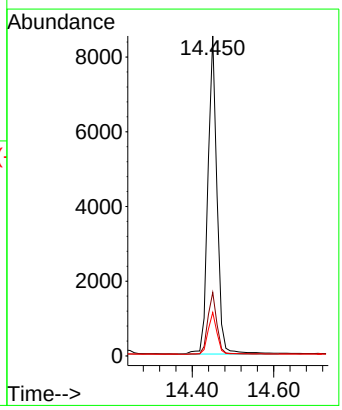


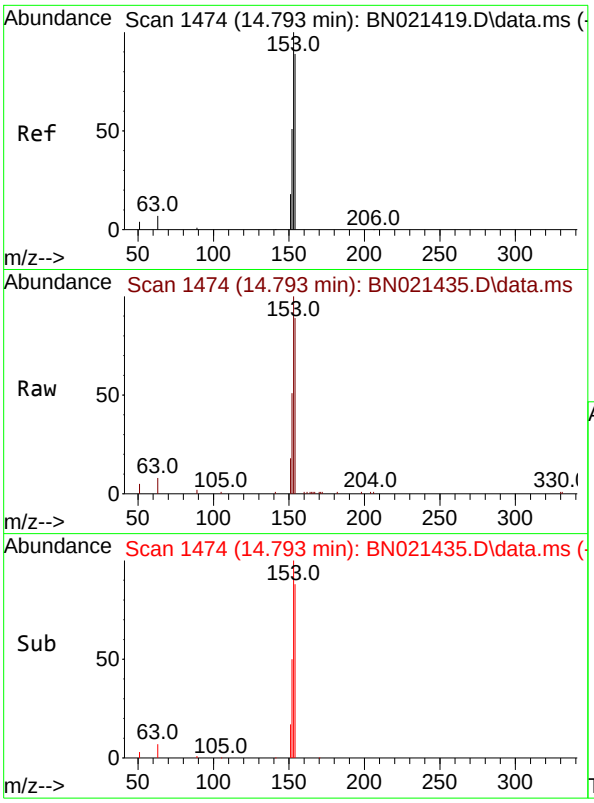


#16
Acenaphthylene
Concen: 0.341 ng
RT: 14.450 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:152 Resp: 13232

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	12.9	10.3	15.5



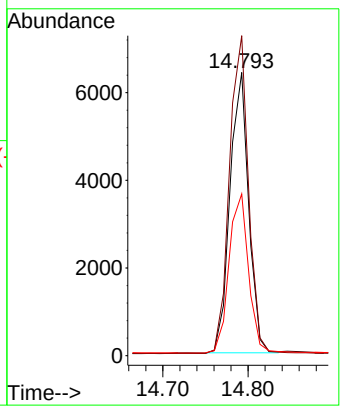


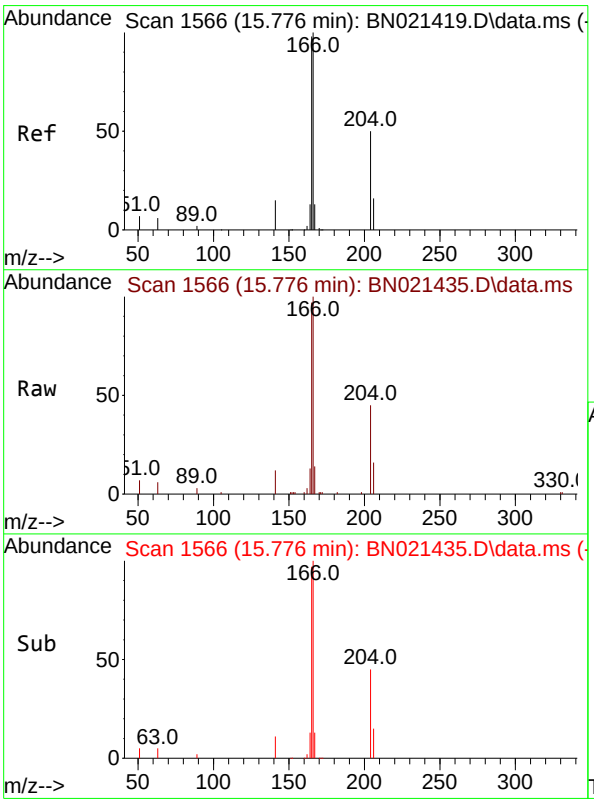
#17
Acenaphthene
Concen: 0.355 ng
RT: 14.793 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:154 Resp: 9711

Ion	Ratio	Lower	Upper
154	100		
153	116.4	89.5	134.3
152	59.9	45.5	68.3

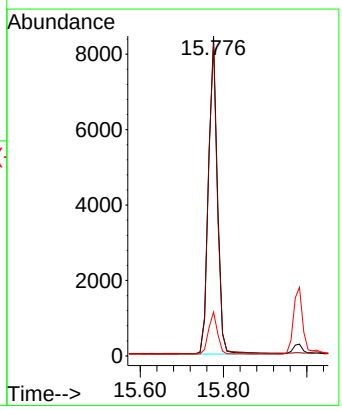


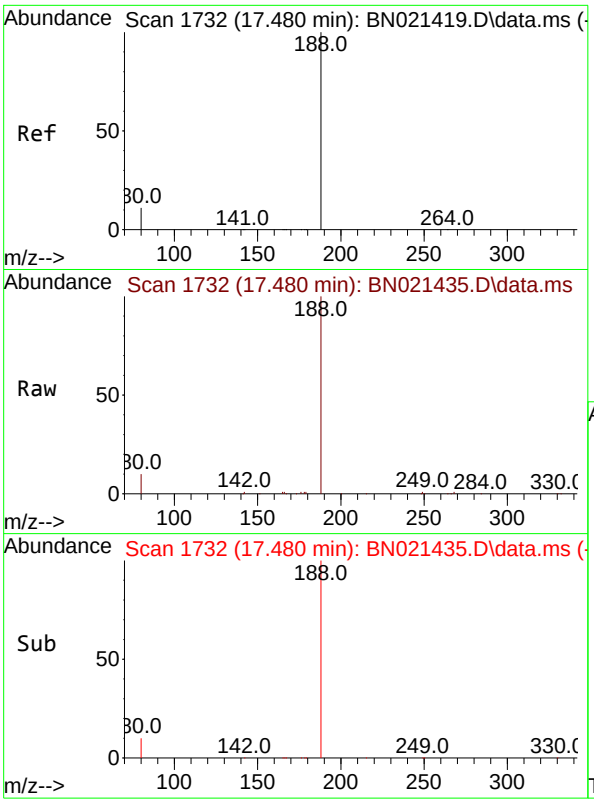


#18
Fluorene
Concen: 0.360 ng
RT: 15.776 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:166 Resp: 12137

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.7	118.1
167	13.5	10.6	16.0



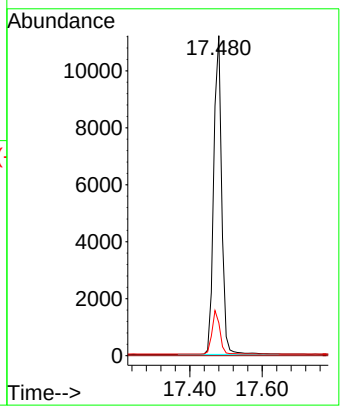


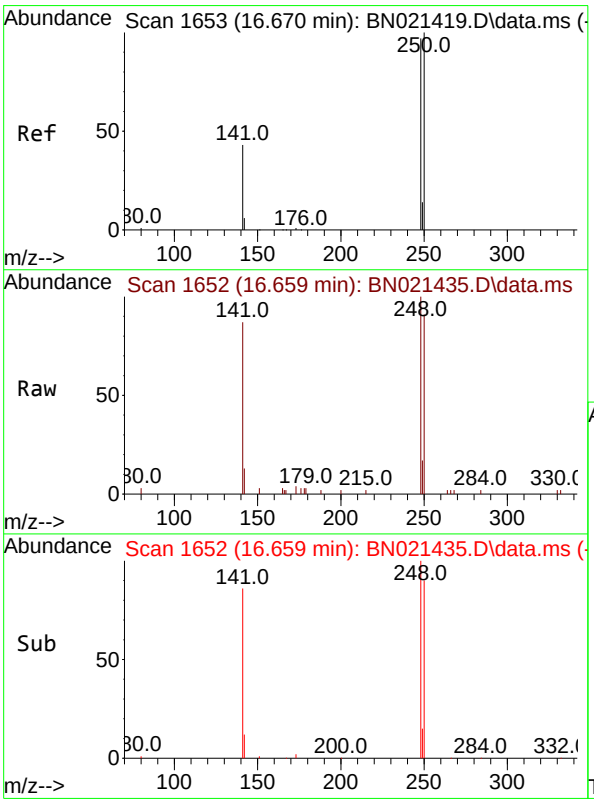
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:188 Resp: 17000

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	9.5	14.3

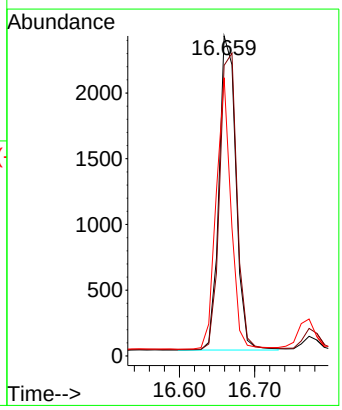


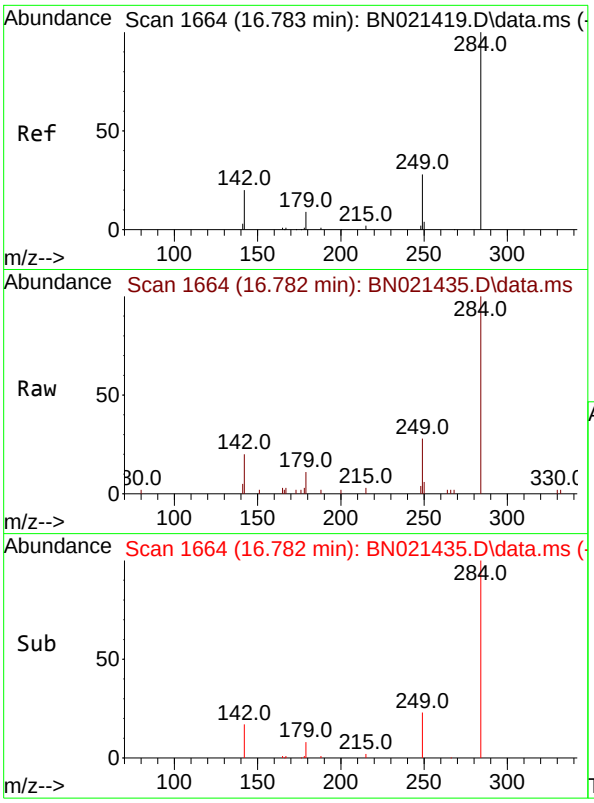


#21
4-Bromophenyl-phenylether
Concen: 0.350 ng
RT: 16.659 min Scan# 1652
Delta R.T. -0.010 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:248 Resp: 3718

Ion	Ratio	Lower	Upper
248	100		
250	90.8	81.8	122.6
141	87.0	38.5	57.7#



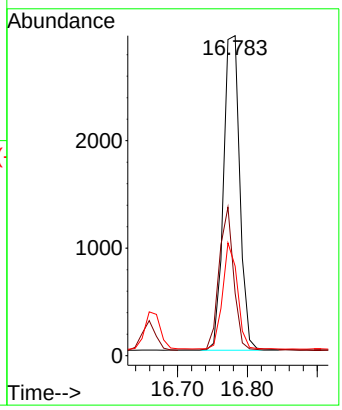


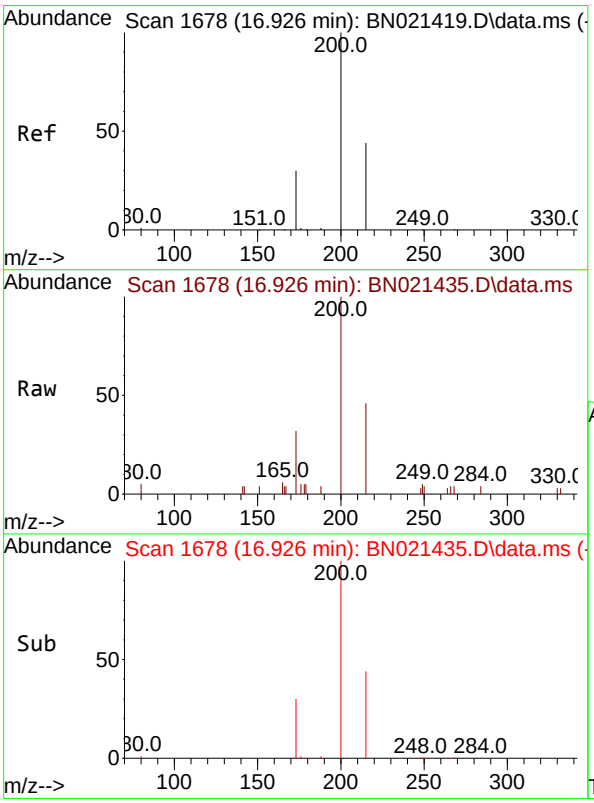
#22
Hexachlorobenzene
Concen: 0.365 ng
RT: 16.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:284 Resp: 4752

Ion	Ratio	Lower	Upper
284	100		
142	40.7	32.3	48.5
249	30.6	25.4	38.2

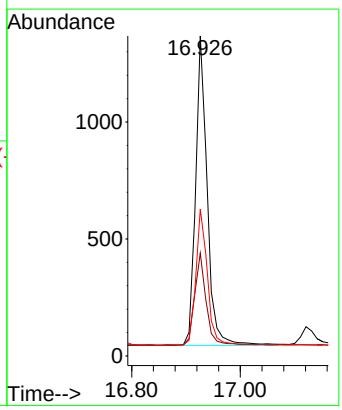


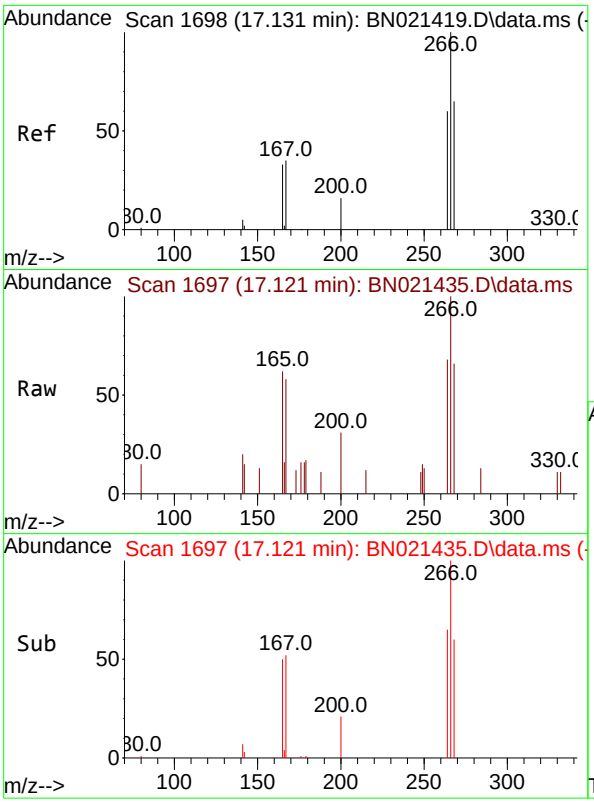


#23
Atrazine
Concen: 0.318 ng
RT: 16.926 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:200 Resp: 1975

Ion	Ratio	Lower	Upper
200	100		
173	32.2	24.3	36.5
215	45.9	38.4	57.6



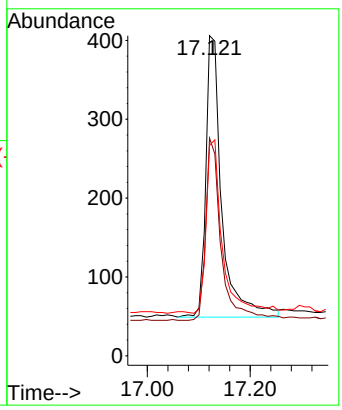


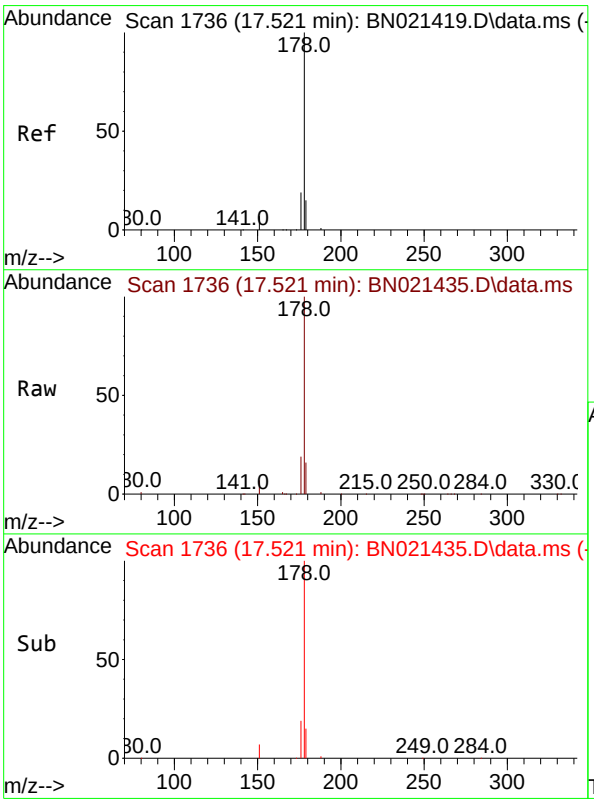
#24
Pentachlorophenol
Concen: 0.400 ng
RT: 17.121 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:266 Resp: 773

Ion	Ratio	Lower	Upper
266	100		
264	62.7	49.0	73.6
268	62.2	50.9	76.3

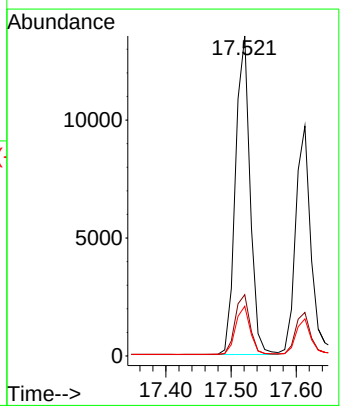


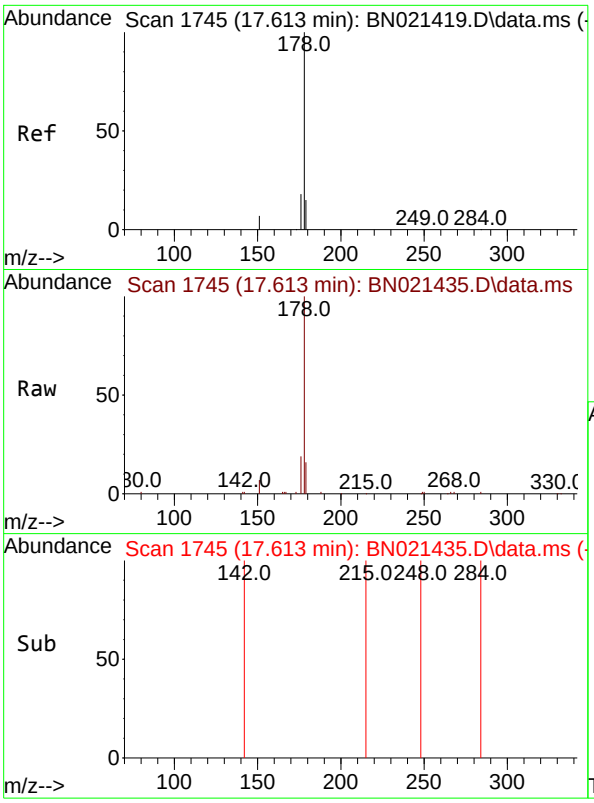


#25
Phenanthrene
Concen: 0.356 ng
RT: 17.521 min Scan# 1736
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:178 Resp: 20911

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.2	12.2	18.4



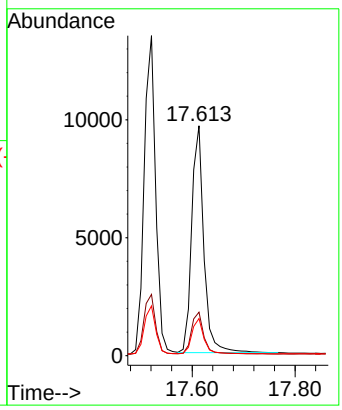


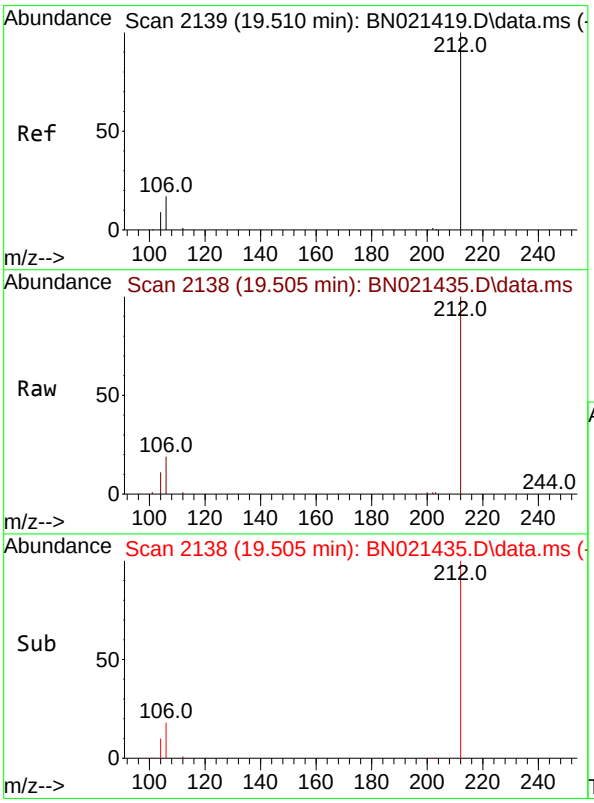
#26
Anthracene
Concen: 0.337 ng
RT: 17.613 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:178 Resp: 15711

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	22.0
179	15.6	12.2	18.2

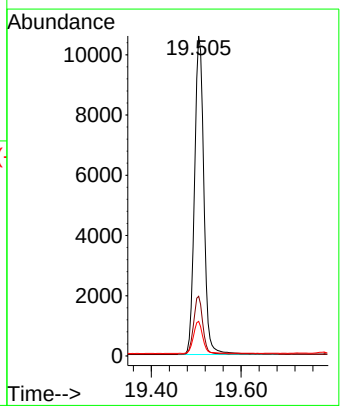


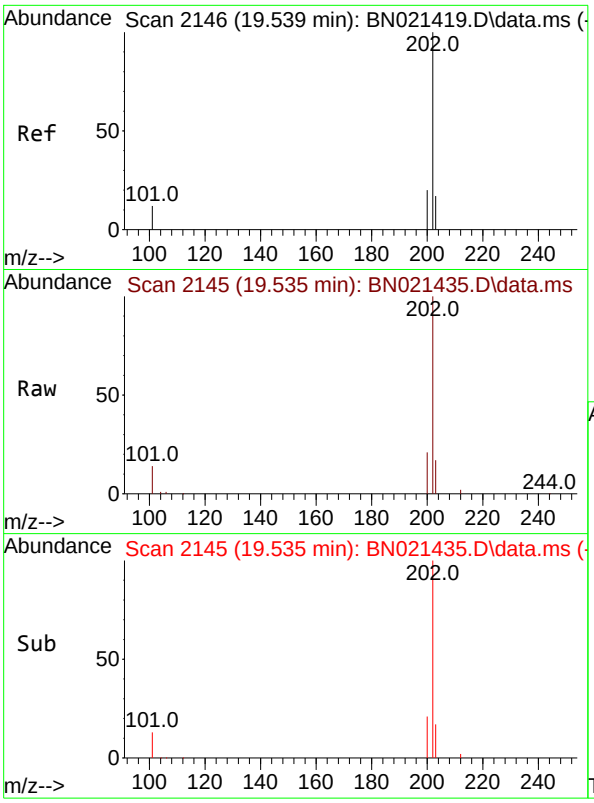


#27
Fluoranthene-d10
Concen: 0.350 ng
RT: 19.505 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:212 Resp: 15311

Ion	Ratio	Lower	Upper
212	100		
106	17.9	14.2	21.2
104	10.0	7.8	11.6



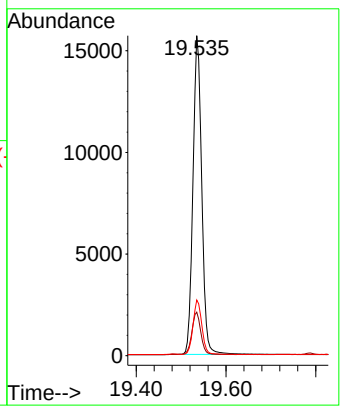


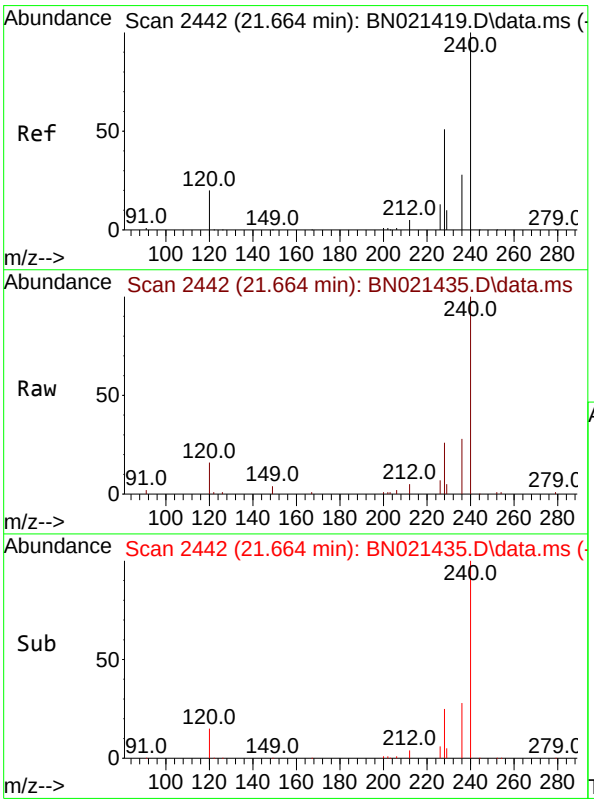
#28
Fluoranthene
Concen: 0.350 ng
RT: 19.535 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:202 Resp: 21311

Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.9	16.3
203	17.0	13.8	20.6

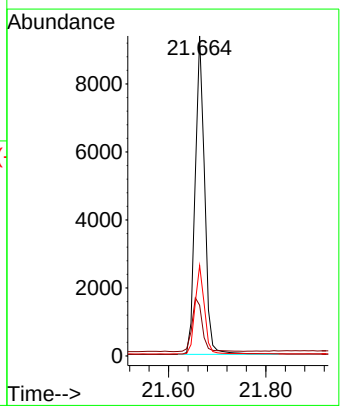


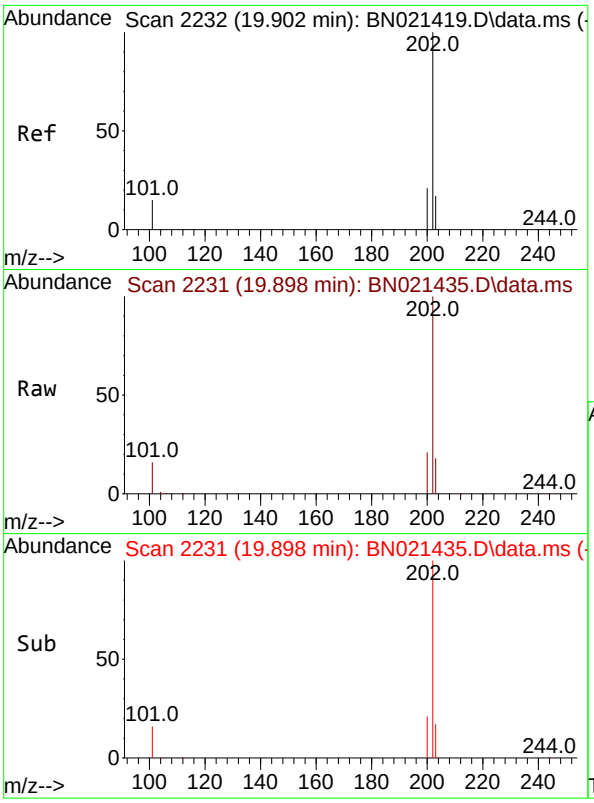


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.664 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:240 Resp: 12564

Ion	Ratio	Lower	Upper
240	100		
120	15.8	10.2	15.4#
236	28.3	22.1	33.1



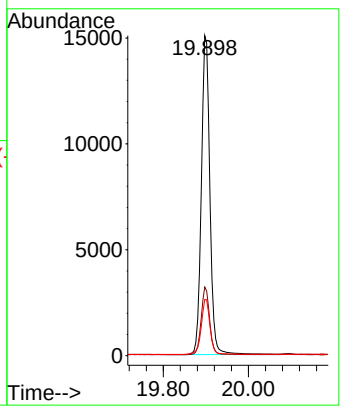


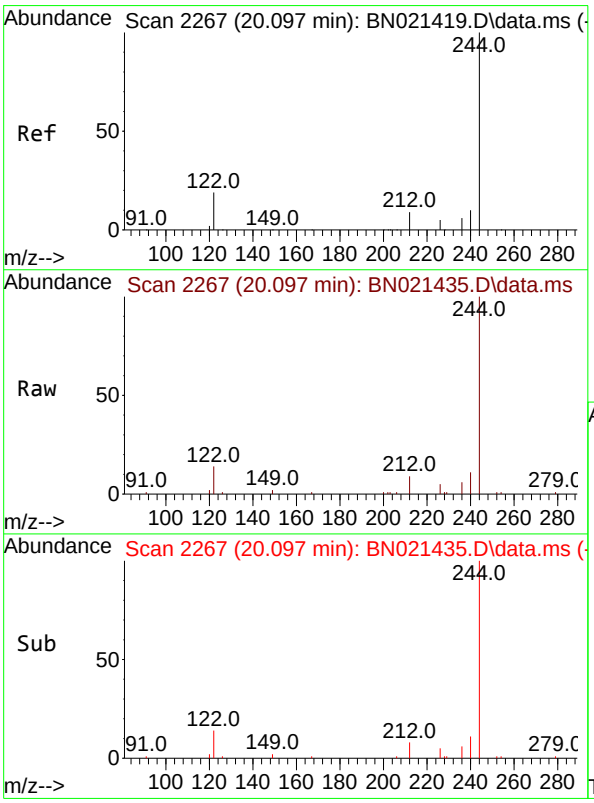
#30
Pyrene
Concen: 0.362 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:202 Resp: 24251

Ion	Ratio	Lower	Upper
202	100		
200	18.0	13.9	20.9
203	16.1	11.9	17.9

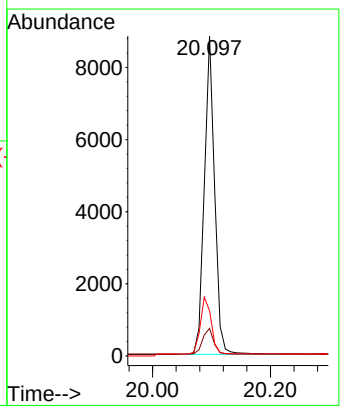


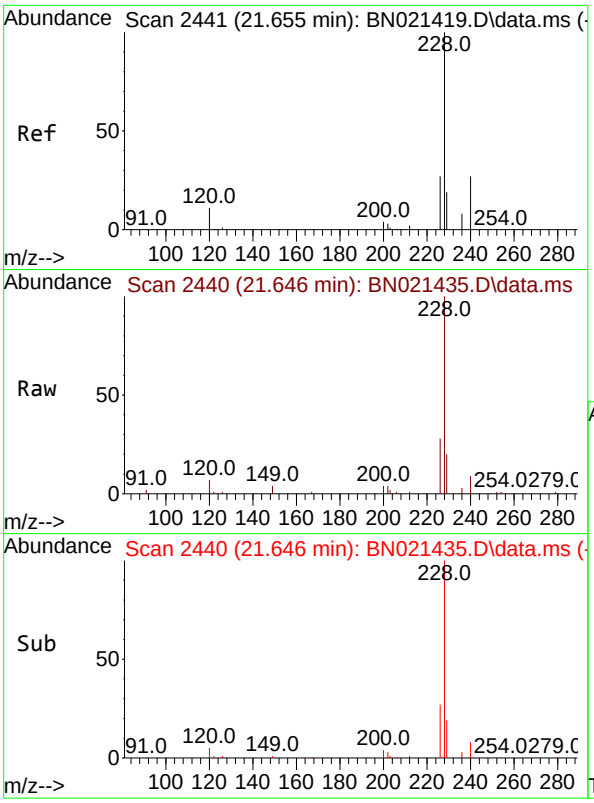


#31
Terphenyl-d14
Concen: 0.379 ng
RT: 20.097 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:244 Resp: 10691

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.5	9.7
122	14.1	9.1	13.7#



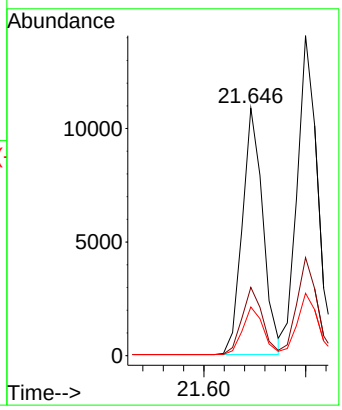


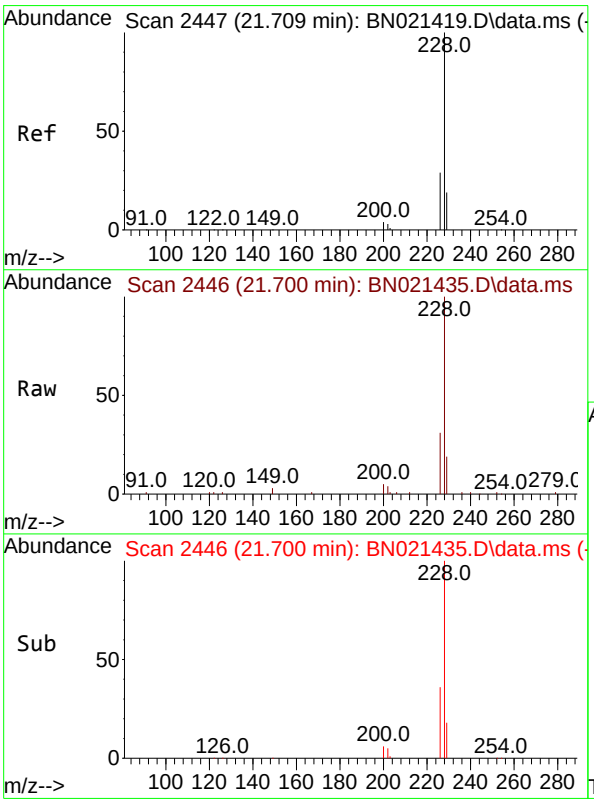
#32
Benzo(a)anthracene
Concen: 0.348 ng
RT: 21.646 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:228 Resp: 15214

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.0	33.0
229	19.6	15.9	23.9

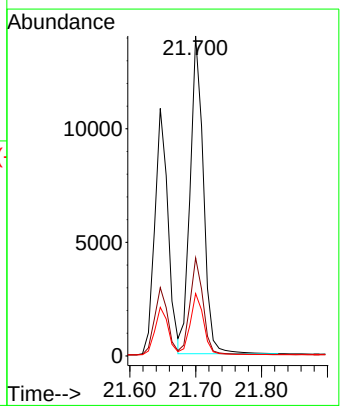


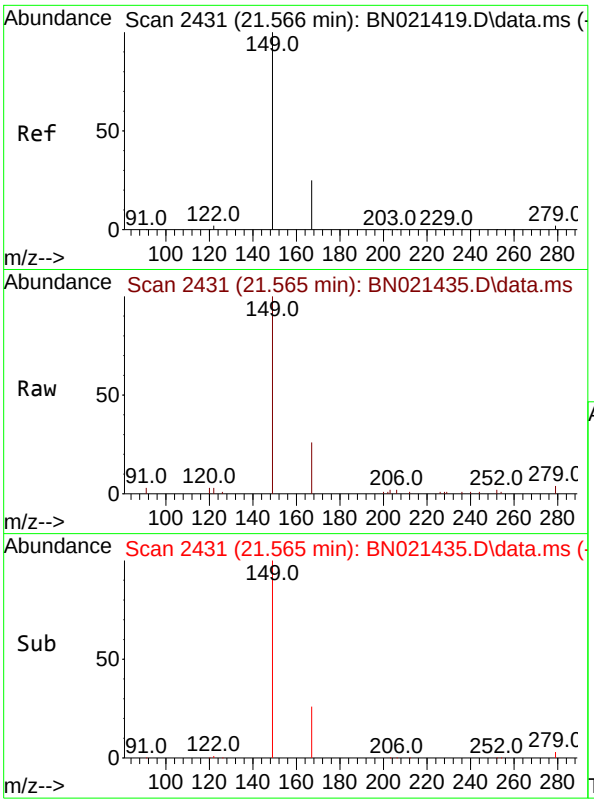


#33
Chrysene
Concen: 0.374 ng
RT: 21.700 min Scan# 2446
Delta R.T. -0.009 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:228 Resp: 19511

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	19.5	15.9	23.9



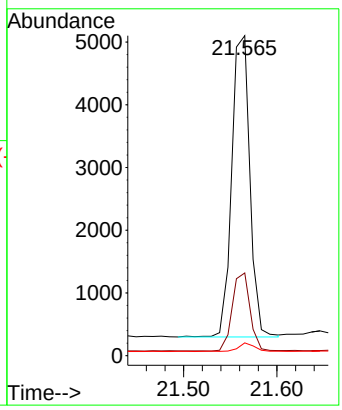


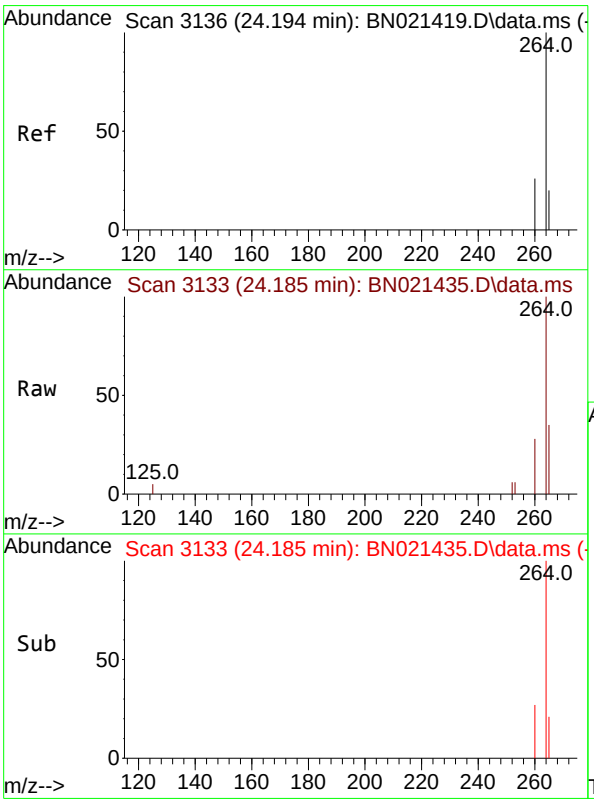
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.368 ng
RT: 21.565 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:149 Resp: 6494

Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.4	32.0
279	2.6	2.2	3.2

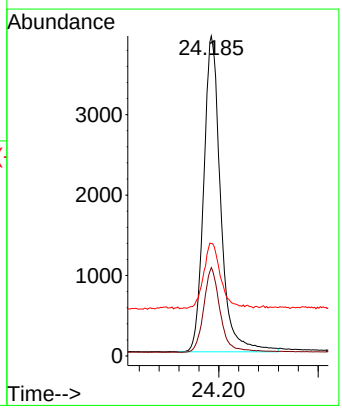


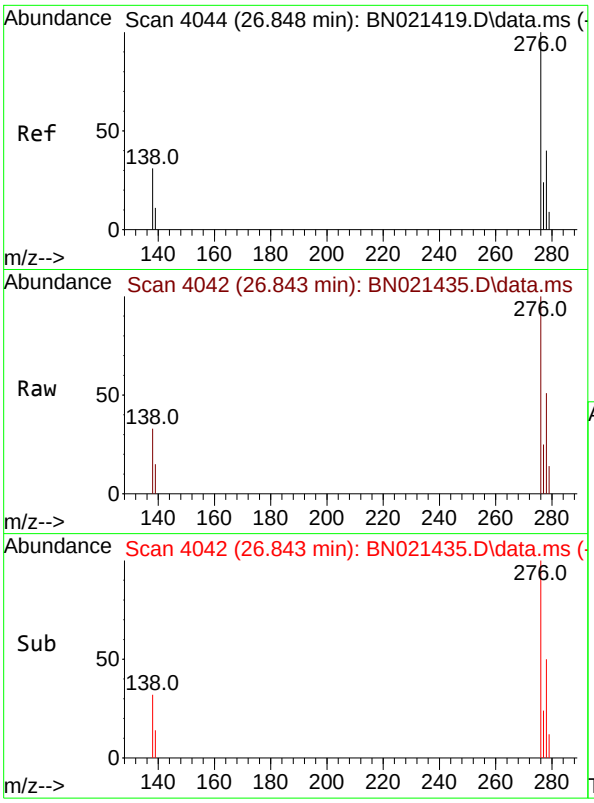


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.185 min Scan# 3133
Delta R.T. -0.009 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:264 Resp: 9312

Ion	Ratio	Lower	Upper
264	100		
260	27.6	21.0	31.6
265	35.1	32.2	48.2



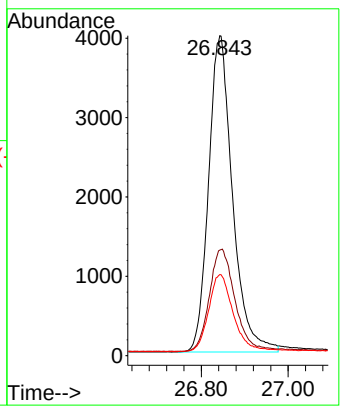


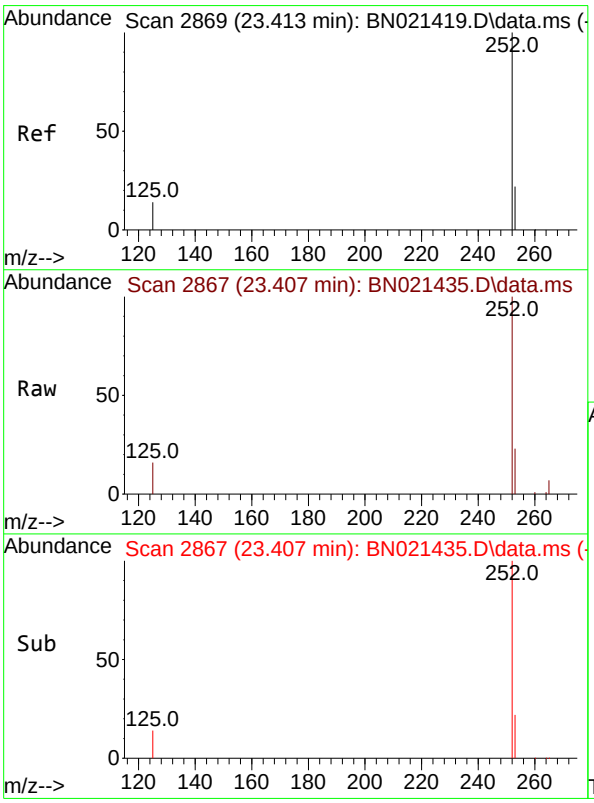
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.363 ng
RT: 26.843 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:276 Resp: 15256

Ion	Ratio	Lower	Upper
276	100		
138	34.5	27.4	41.2
277	24.7	19.9	29.9

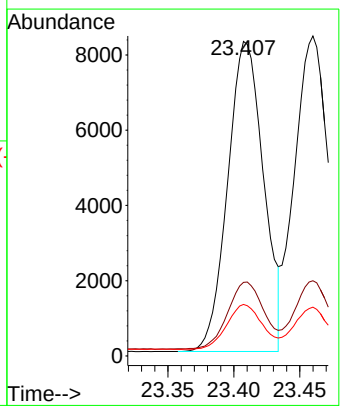


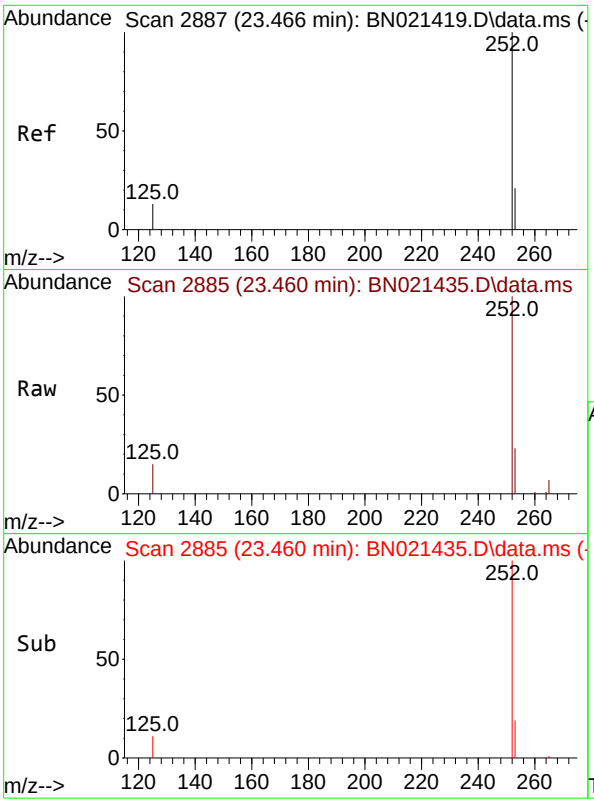


#37
Benzo(b)fluoranthene
Concen: 0.340 ng
RT: 23.407 min Scan# 2867
Delta R.T. -0.006 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:252 Resp: 15589

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.8	29.6
125	16.4	13.7	20.5



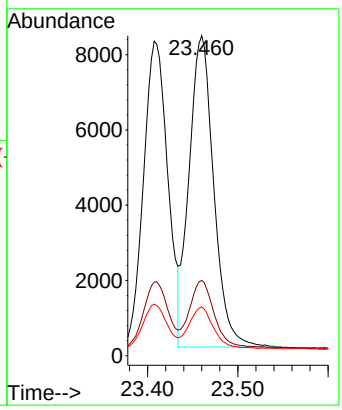


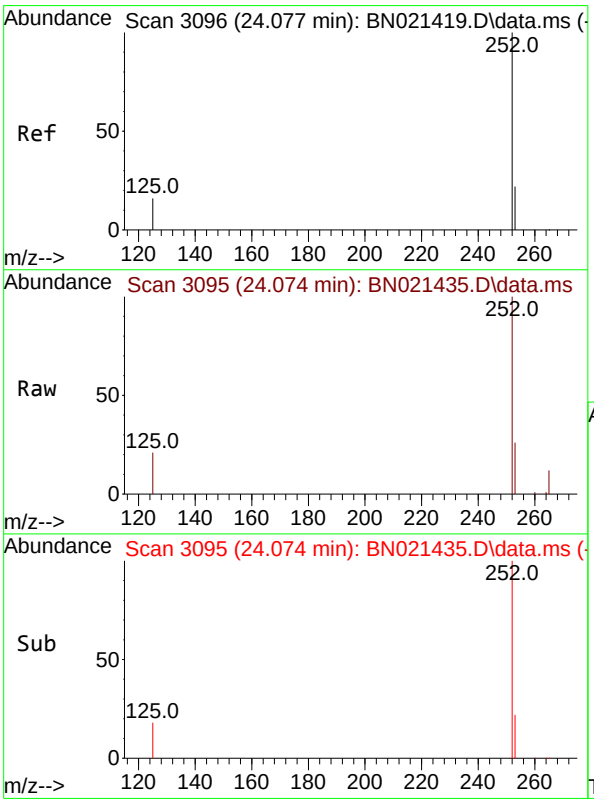
#38
Benzo(k)fluoranthene
Concen: 0.340 ng
RT: 23.460 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:252 Resp: 15719

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.5	29.3
125	15.3	12.3	18.5

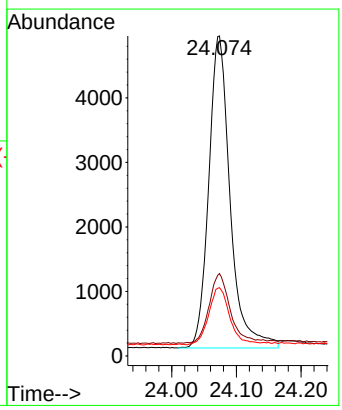


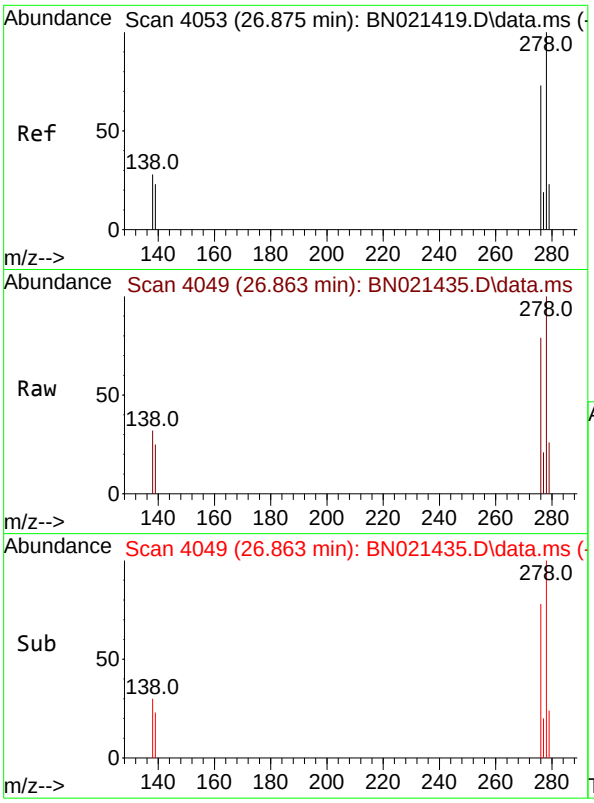


#39
Benzo(a)pyrene
Concen: 0.348 ng
RT: 24.074 min Scan# 3095
Delta R.T. -0.003 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:252 Resp: 11135

Ion	Ratio	Lower	Upper
252	100		
253	25.7	21.1	31.7
125	21.3	16.6	25.0



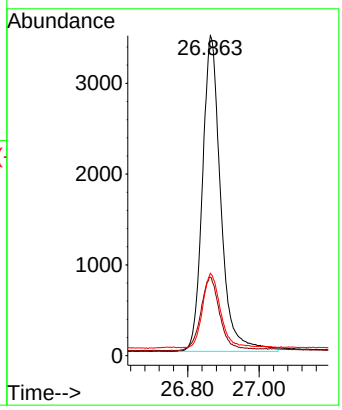


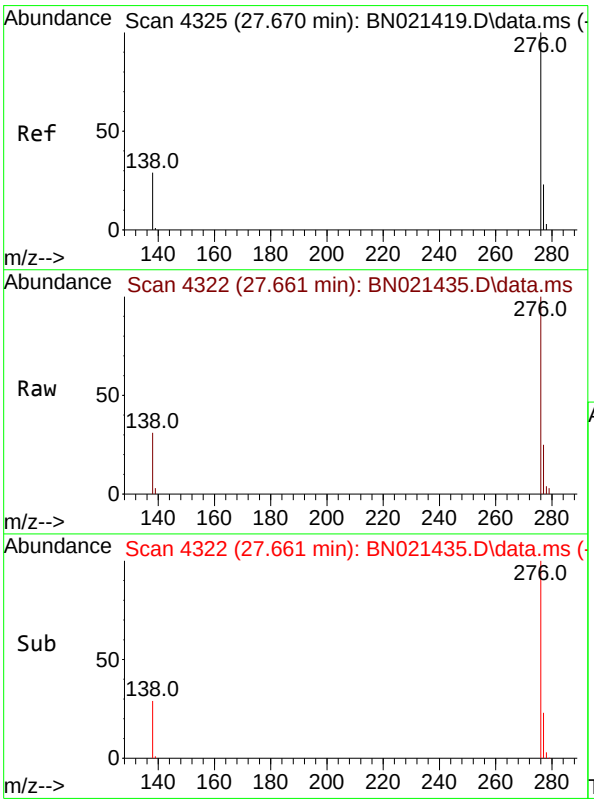
#40
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 26.863 min Scan# 4
Delta R.T. -0.012 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Instrument :
BNA_N
ClientSampleId :
PB147180BS

Tgt Ion:278 Resp: 12363

Ion	Ratio	Lower	Upper
278	100		
139	24.5	21.8	32.6
279	25.7	20.4	30.6





#41
Benzo(g,h,i)perylene
Concen: 0.342 ng
RT: 27.661 min Scan# 4322
Delta R.T. -0.009 min
Lab File: BN021435.D
Acq: 30 Aug 2022 00:29

Tgt Ion:276 Resp: 12699

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	30.7	23.7	35.5