Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110922\
Data File : BN022575.D
Acq On : 09 Nov 2022 12:19
Operator : CG/JU
Sample : PB148856BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Quant Time: Nov 09 23:57:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 09 23:46:48 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.906	152	1908	0.400	ng		0.00
7) Naphthalene-d8	10.730	136	6703	0.400	ng		0.00
13) Acenaphthene-d10	14.578	164	4339	0.400	ng		0.00
19) Phenanthrene-d10	17.337	188	9171	0.400	ng	#	0.00
29) Chrysene-d12	21.546	240	7255	0.400	ng		0.00
35) Perylene-d12	23.990	264	5678	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.457	112	2540	0.471	ng		0.00
5) Phenol-d6	7.111	99	3677	0.541	ng		0.00
8) Nitrobenzene-d5	9.086	82	2512	0.415	ng		0.00
11) 2-Methylnaphthalene-d10	12.330	152	4373	0.389	ng		0.00
14) 2,4,6-Tribromophenol	16.084	330	885	0.388	ng		0.00
15) 2-Fluorobiphenyl	13.199	172	7042	0.390	ng		0.00
27) Fluoranthene-d10	19.382	212	9706	0.387	ng		0.00
31) Terphenyl-d14	19.976	244	9873	0.437	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.255	88	934	0.326	ng		94
3) n-Nitrosodimethylamine	3.601	42	1018	0.342	ng		96
6) bis(2-Chloroethyl)ether	7.328	93	2488	0.409	ng		99
9) Naphthalene	10.784	128	7655	0.377	ng		100
10) Hexachlorobutadiene	11.061	225	1318	0.376	ng	#	100
12) 2-Methylnaphthalene	12.077	142	1883	0.390	ng	#	96
16) Acenaphthylene	14.300	152	7815	0.355	ng		100
17) Acenaphthene	14.642	154	5359	0.378	ng		100
18) Fluorene	15.636	166	7344	0.369	ng		98
20) 4,6-Dinitro-2-methylph...	15.736	198	458	0.429	ng	#	83
21) 4-Bromophenyl-phenylether	16.531	248	2060	0.364	ng		92
22) Hexachlorobenzene	16.642	284	2437	0.377	ng		96
23) Atrazine	16.804	200	1699	0.333	ng		97
24) Pentachlorophenol	17.002	266	819	0.416	ng		96
25) Phenanthrene	17.375	178	11427	0.373	ng		99
26) Anthracene	17.474	178	9700	0.360	ng		99
28) Fluoranthene	19.411	202	12441	0.377	ng		99
30) Pyrene	19.774	202	12536	0.400	ng		100
32) Benzo(a)anthracene	21.528	228	10322	0.354	ng		99
33) Chrysene	21.582	228	10923	0.378	ng		99
34) Bis(2-ethylhexyl)phtha...	21.447	149	6904	0.281	ng		100
36) Indeno(1,2,3-cd)pyrene	26.551	276	9690	0.354	ng		97
37) Benzo(b)fluoranthene	23.242	252	9152	0.410	ng		98
38) Benzo(k)fluoranthene	23.289	252	8862	0.389	ng		98
39) Benzo(a)pyrene	23.882	252	7298	0.382	ng		95
40) Dibenzo(a,h)anthracene	26.572	278	7681	0.353	ng		96
41) Benzo(g,h,i)perylene	27.344	276	8114	0.351	ng		97

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

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Instrument :
BNA_N
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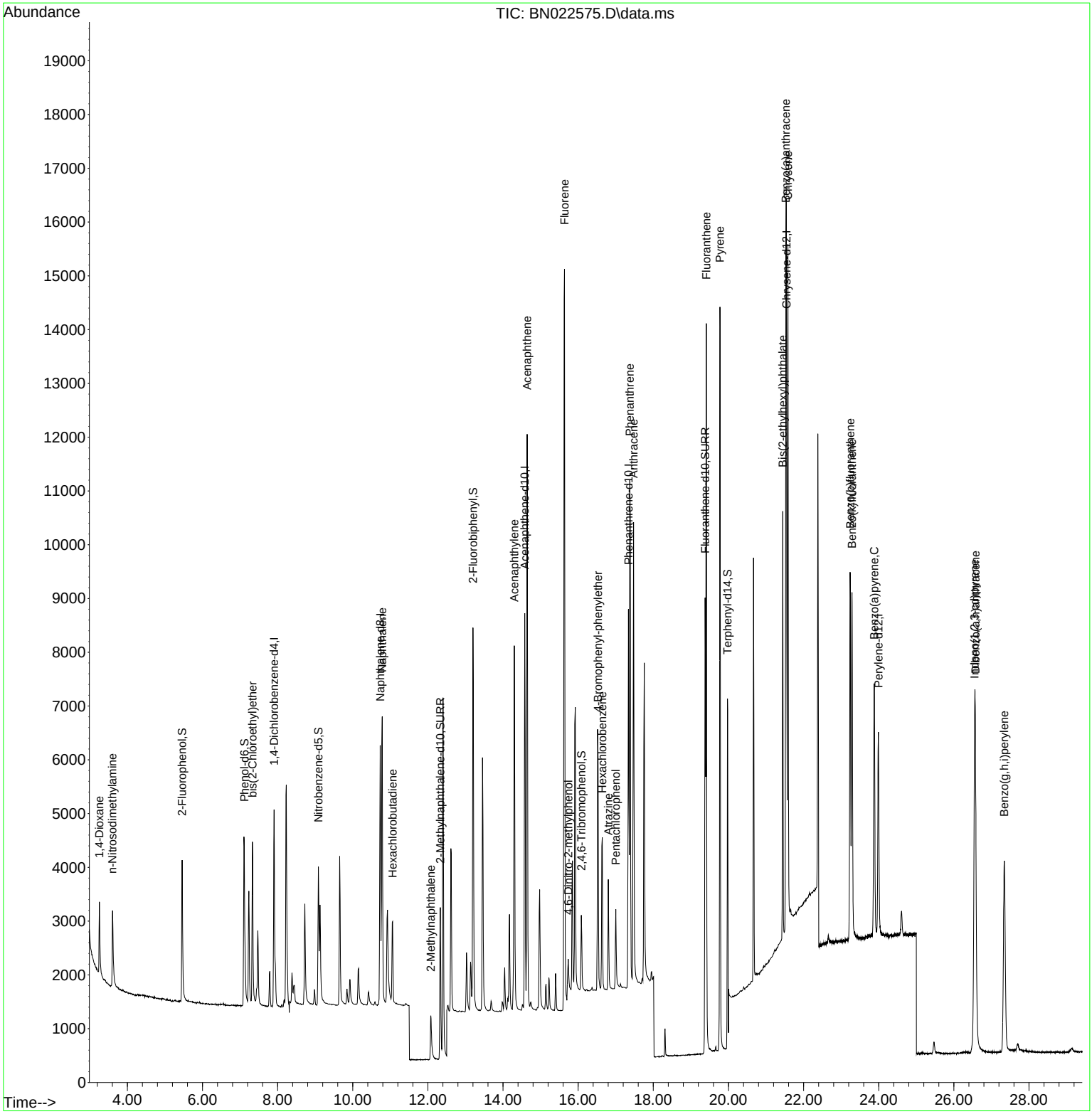
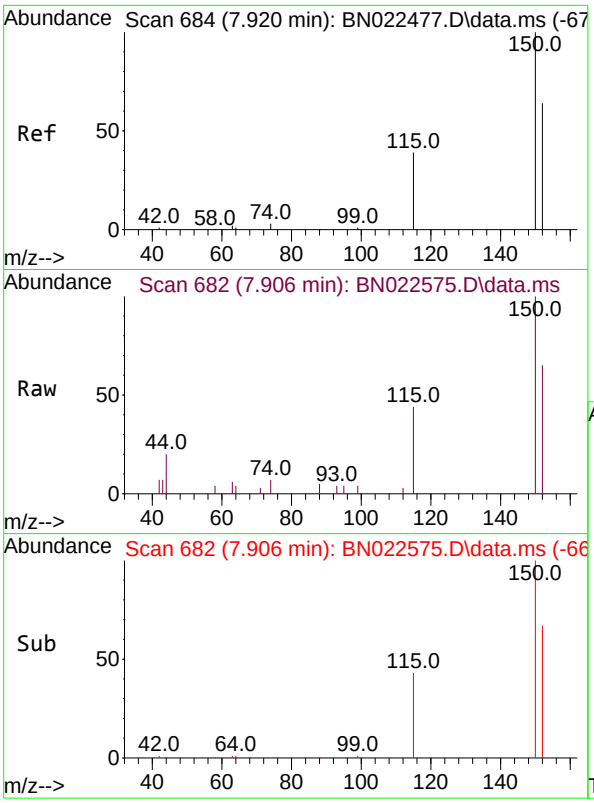


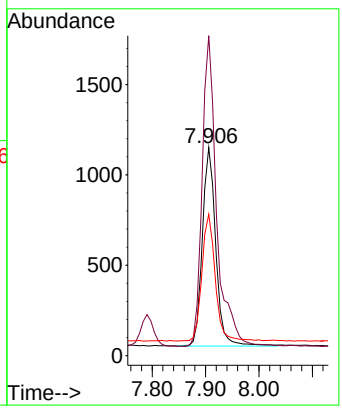


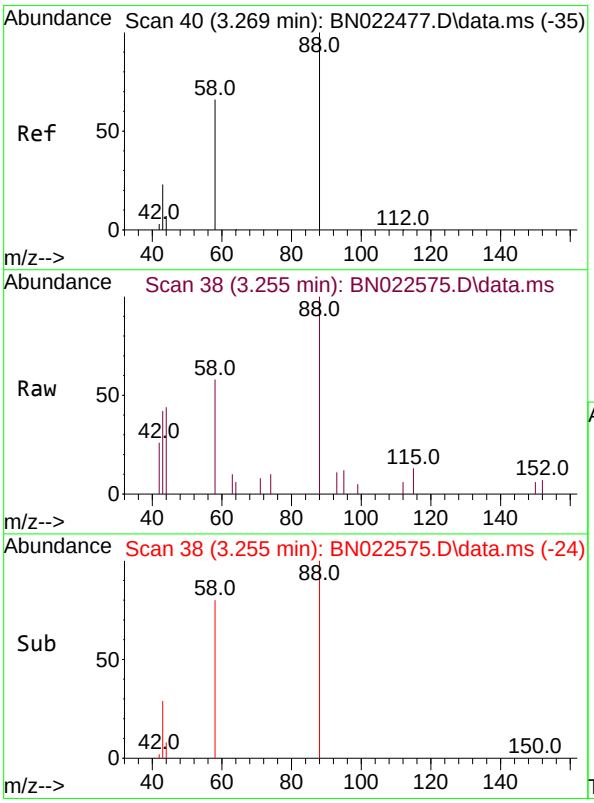
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.906 min Scan# 68
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:152 Resp: 1908

Ion	Ratio	Lower	Upper
152	100		
150	153.7	123.4	185.2
115	67.9	54.9	82.3

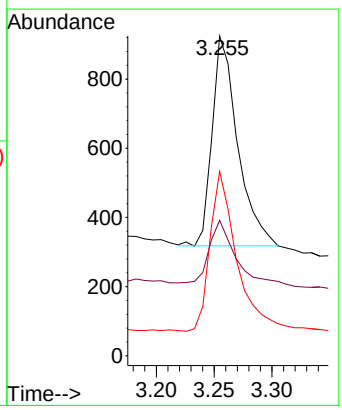


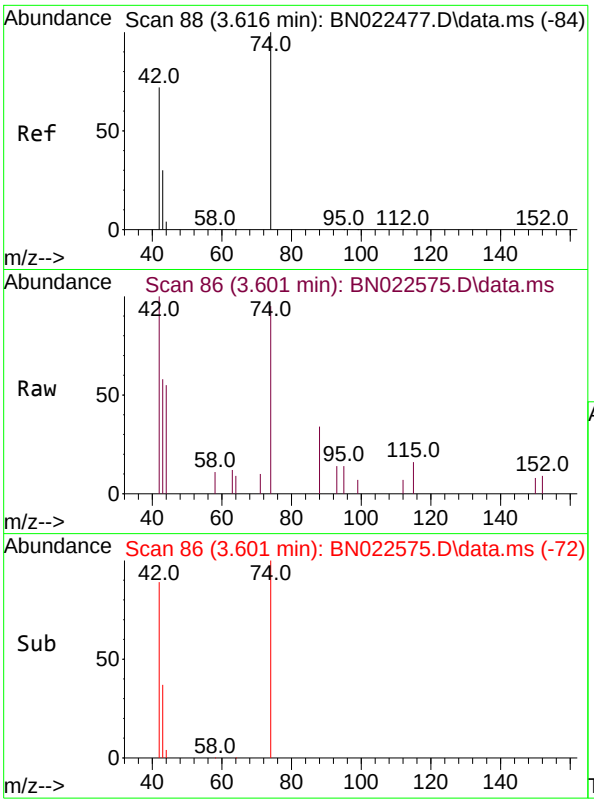


#2
1,4-Dioxane
Concen: 0.326 ng
RT: 3.255 min Scan# 38
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion: 88 Resp: 934

Ion	Ratio	Lower	Upper
88	100		
43	28.2	21.4	32.0
58	78.8	58.4	87.6



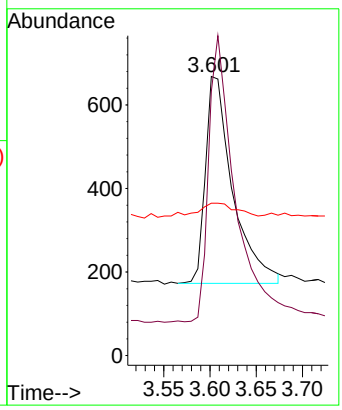


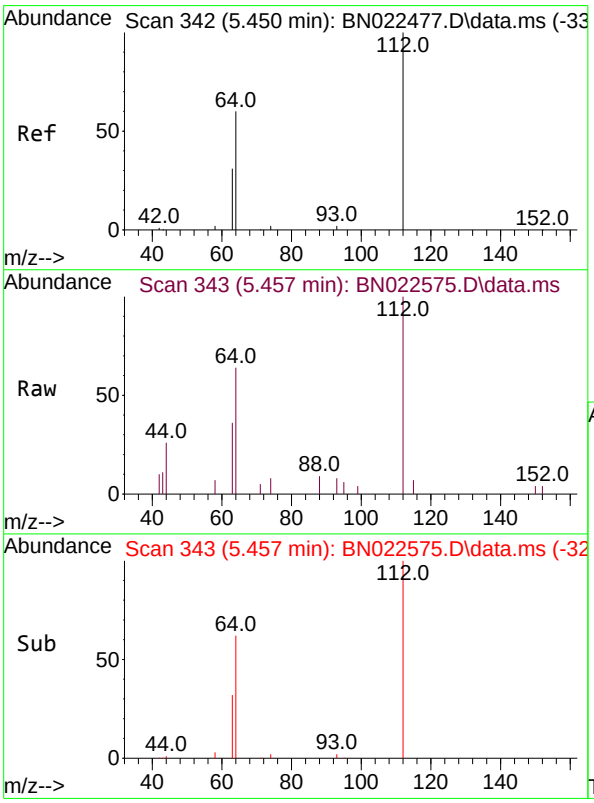
#3
n-Nitrosodimethylamine
Concen: 0.342 ng
RT: 3.601 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion: 42 Resp: 1018

Ion	Ratio	Lower	Upper
42	100		
74	133.6	110.6	165.8
44	10.2	8.6	13.0

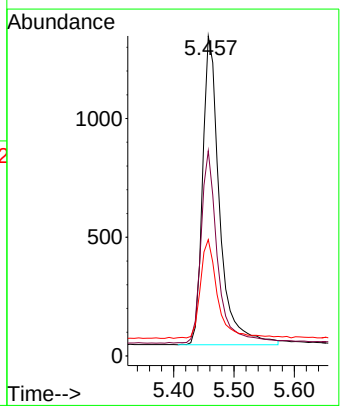


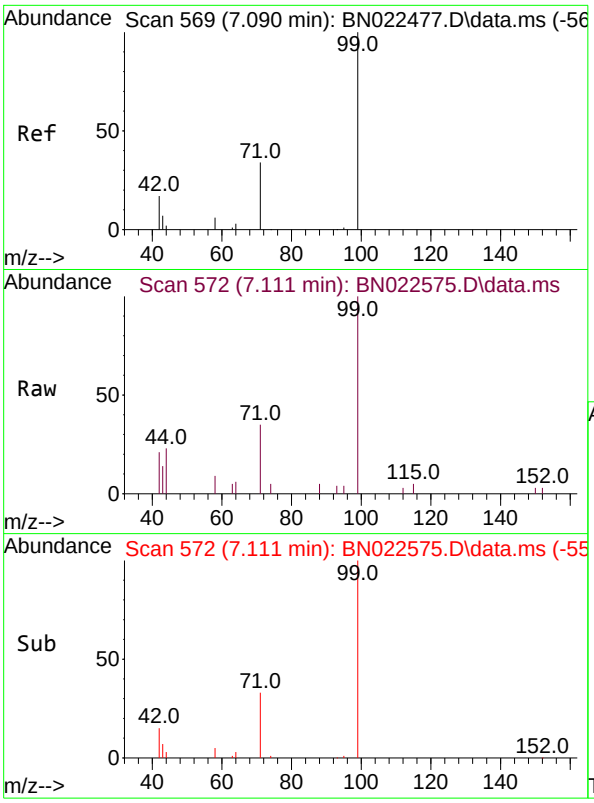


#4
2-Fluorophenol
Concen: 0.471 ng
RT: 5.457 min Scan# 343
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:112 Resp: 2540

Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.1	70.7
63	32.6	24.6	36.8



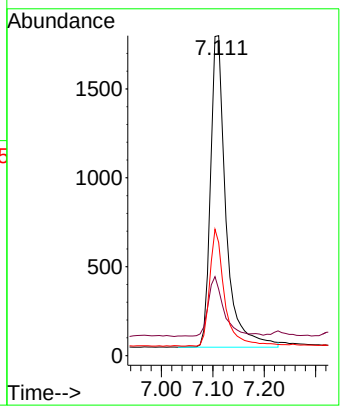


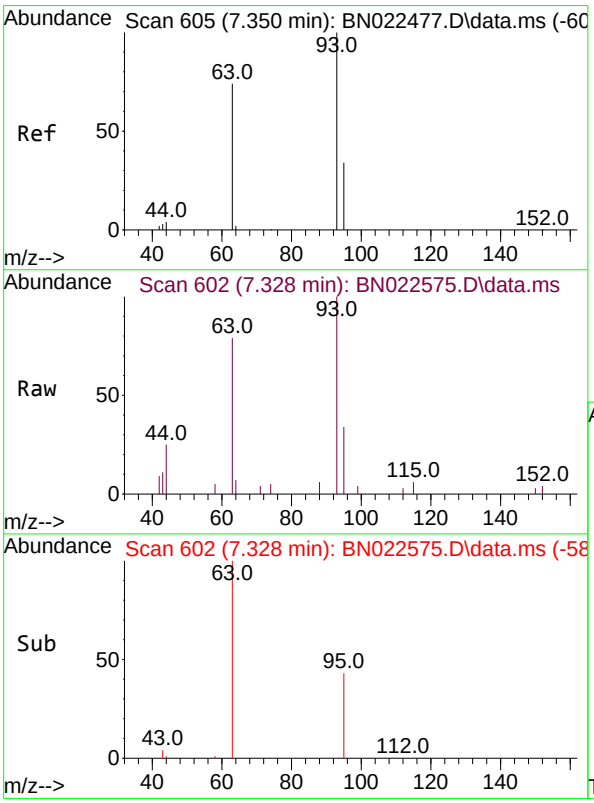
#5
Phenol-d6
Concen: 0.541 ng
RT: 7.111 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion: 99 Resp: 3677

Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.7	22.1
71	36.0	27.0	40.6

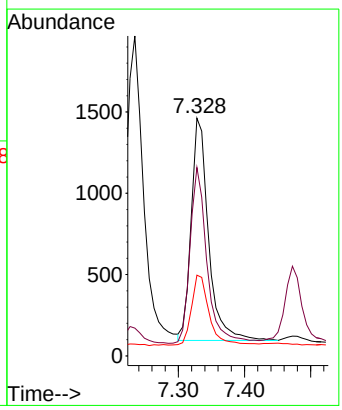


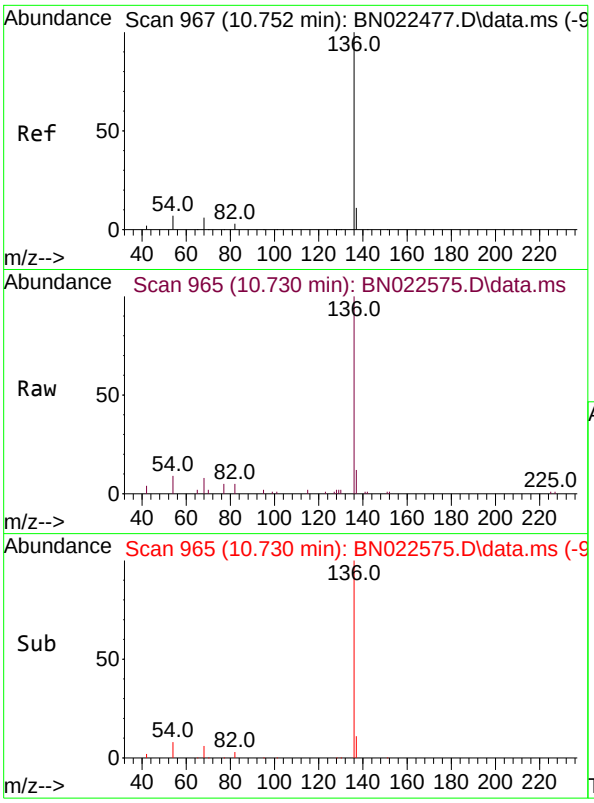


#6
bis(2-Chloroethyl)ether
Concen: 0.409 ng
RT: 7.328 min Scan# 602
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion: 93 Resp: 2488

Ion	Ratio	Lower	Upper
93	100		
63	77.7	61.2	91.8
95	32.1	25.7	38.5



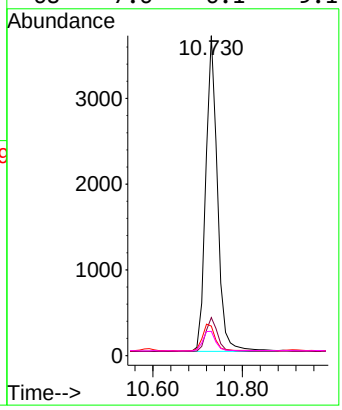


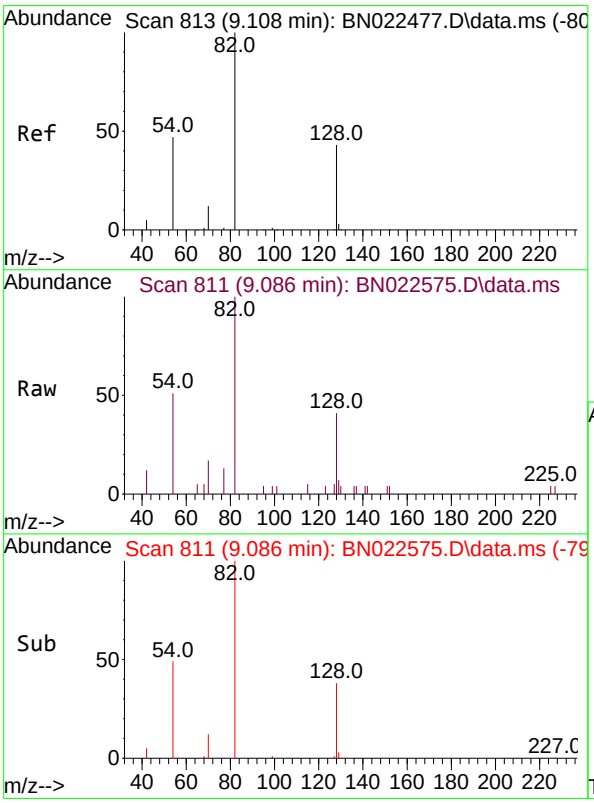
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.730 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:136 Resp: 6703

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	9.2	7.1	10.7
68	7.6	6.1	9.1

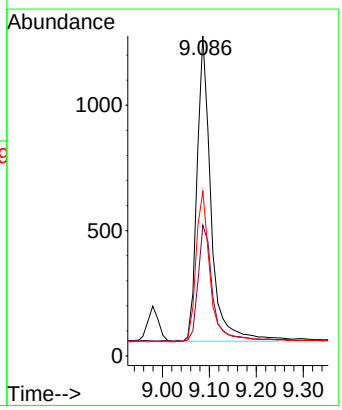


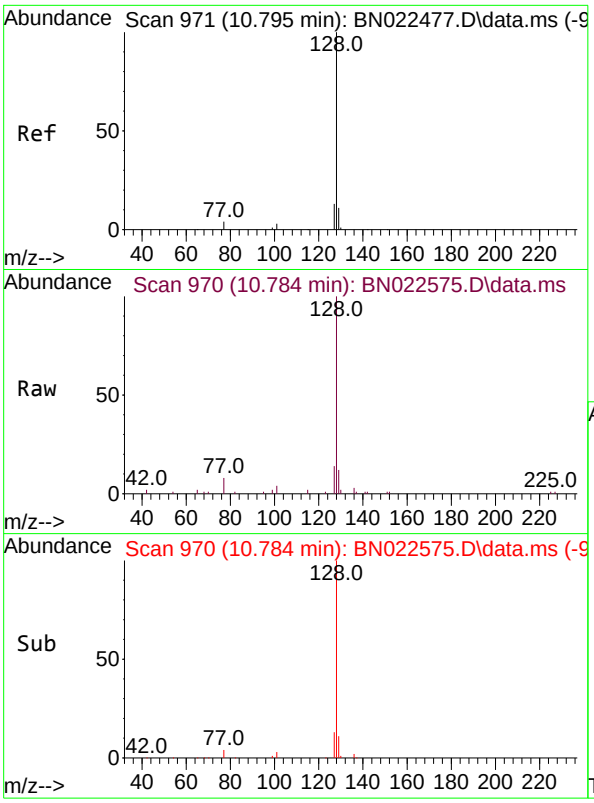


#8
Nitrobenzene-d5
Concen: 0.415 ng
RT: 9.086 min Scan# 811
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion: 82 Resp: 2512

Ion	Ratio	Lower	Upper
82	100		
128	40.9	37.3	55.9
54	51.4	40.0	60.0



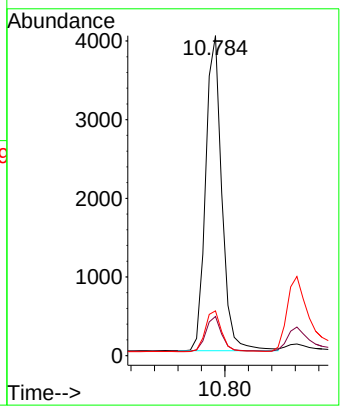


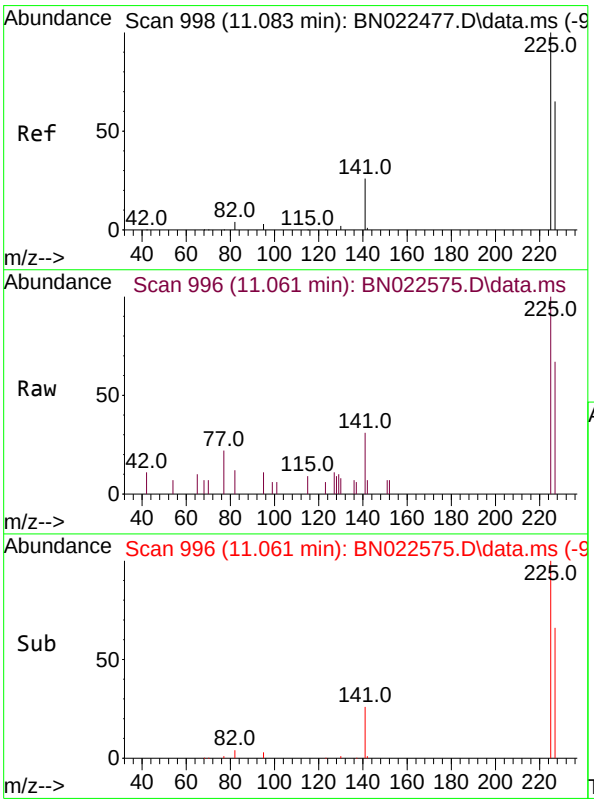
#9
Naphthalene
Concen: 0.377 ng
RT: 10.784 min Scan# 9
Delta R.T. 0.010 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:128 Resp: 7655

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.6
127	14.0	11.4	17.2

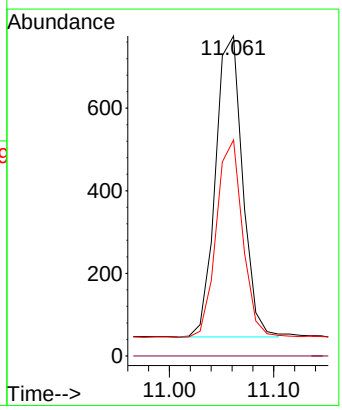


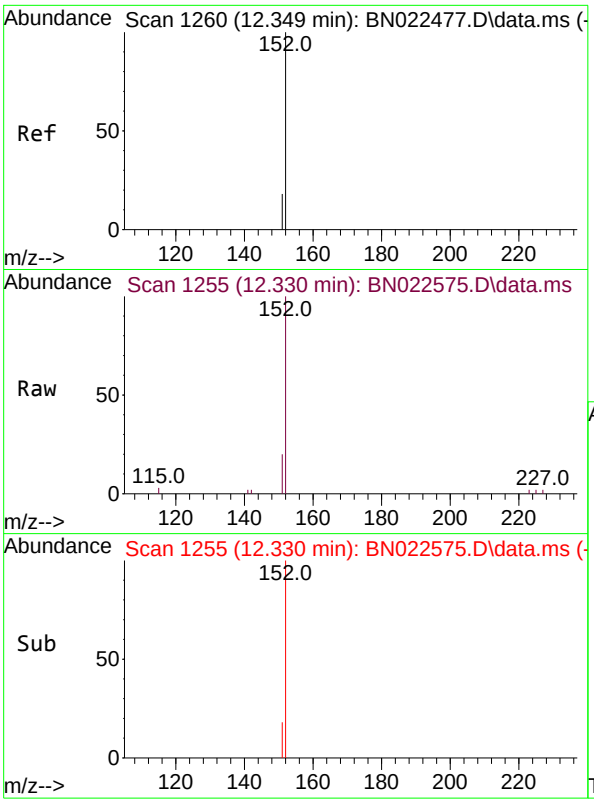


#10
Hexachlorobutadiene
Concen: 0.376 ng
RT: 11.061 min Scan# 996
Delta R.T. 0.010 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:225 Resp: 1318

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.0	76.4



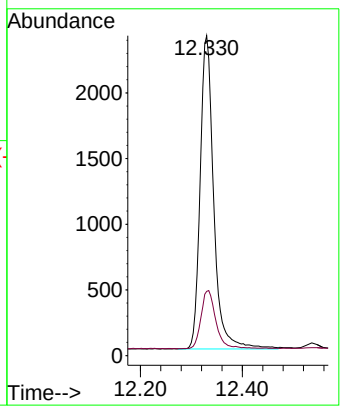


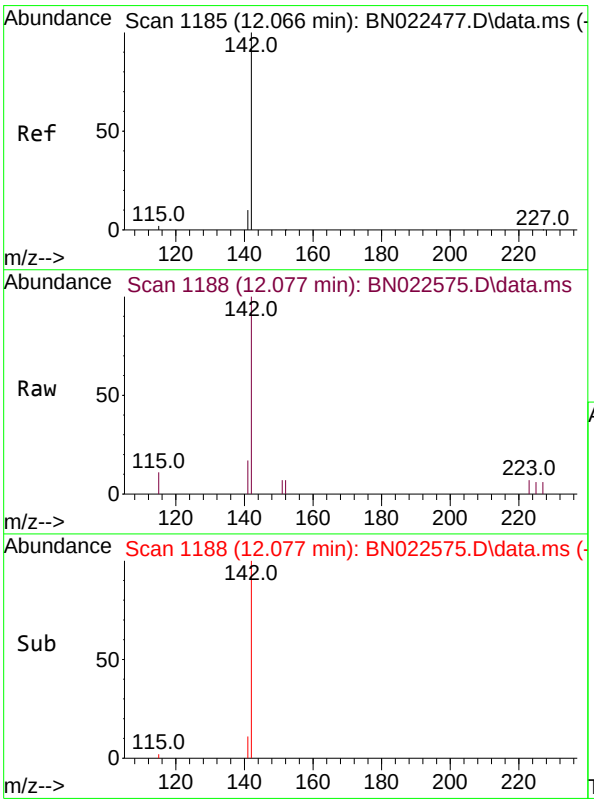
#11
2-Methylnaphthalene-d10
Concen: 0.389 ng
RT: 12.330 min Scan# 11
Delta R.T. 0.003 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:152 Resp: 4373

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0

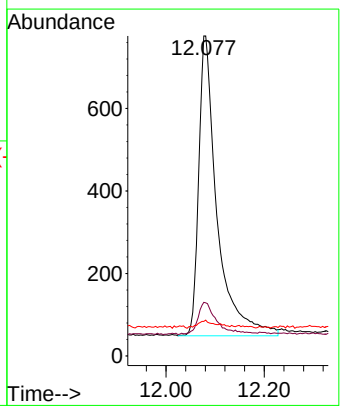


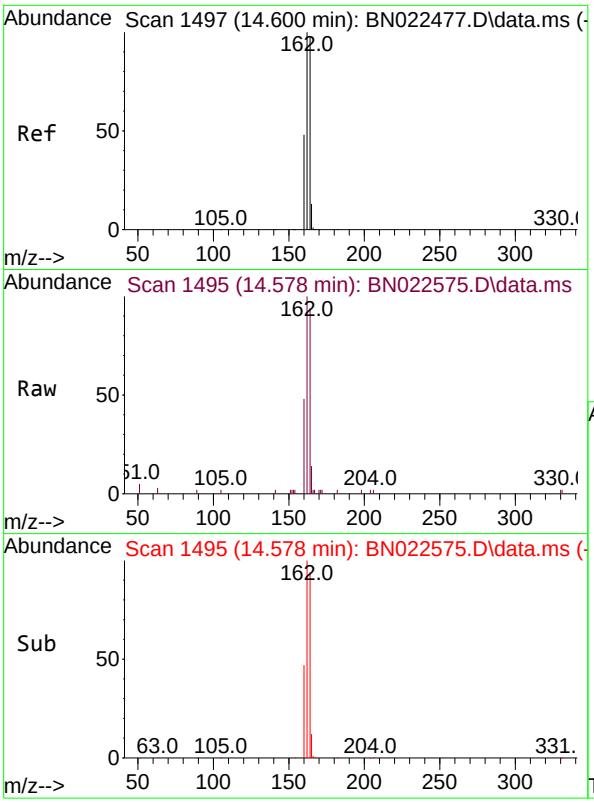


#12
2-Methylnaphthalene
Concen: 0.390 ng
RT: 12.077 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:142 Resp: 1883

Ion	Ratio	Lower	Upper
142	100		
141	16.8	13.7	20.5
115	10.8	11.4	17.2#



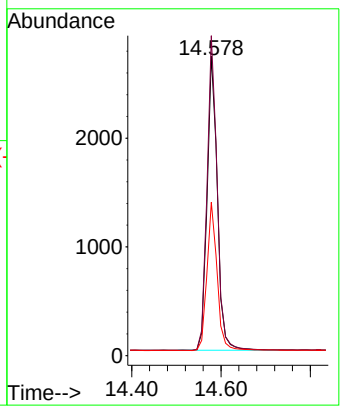


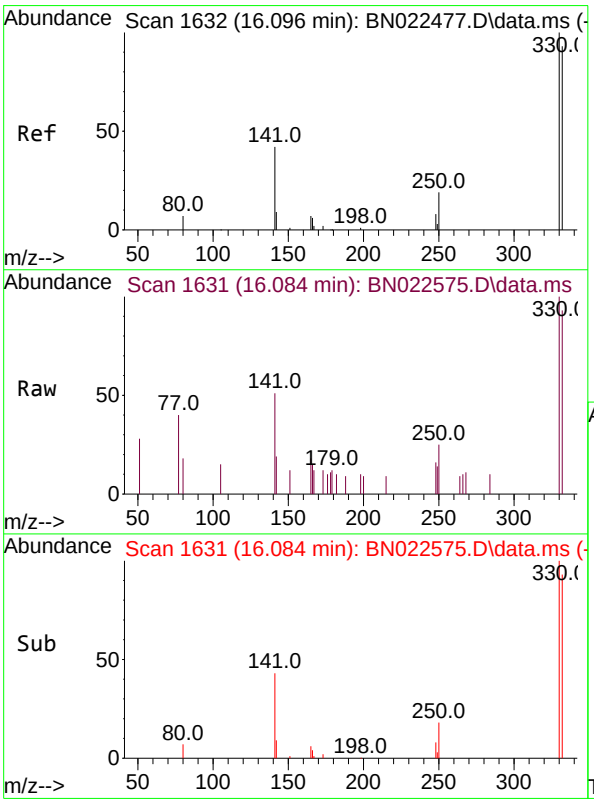
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.578 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:164 Resp: 4339

Ion	Ratio	Lower	Upper
164	100		
162	106.8	82.0	123.0
160	51.2	39.4	59.2

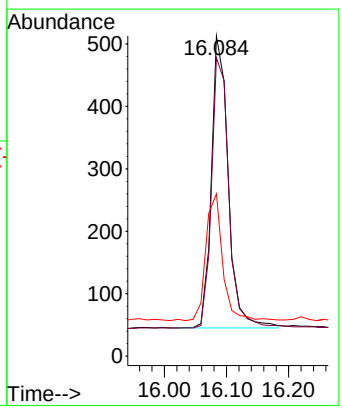


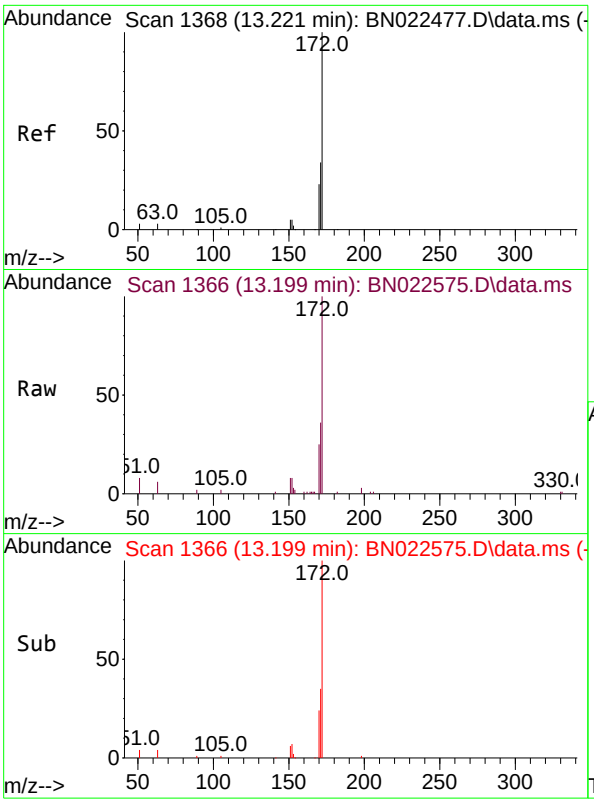


#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 16.084 min Scan# 1631
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:330 Resp: 885

Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.8	116.8
141	43.1	35.0	52.6



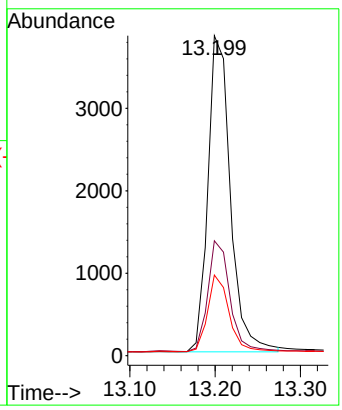


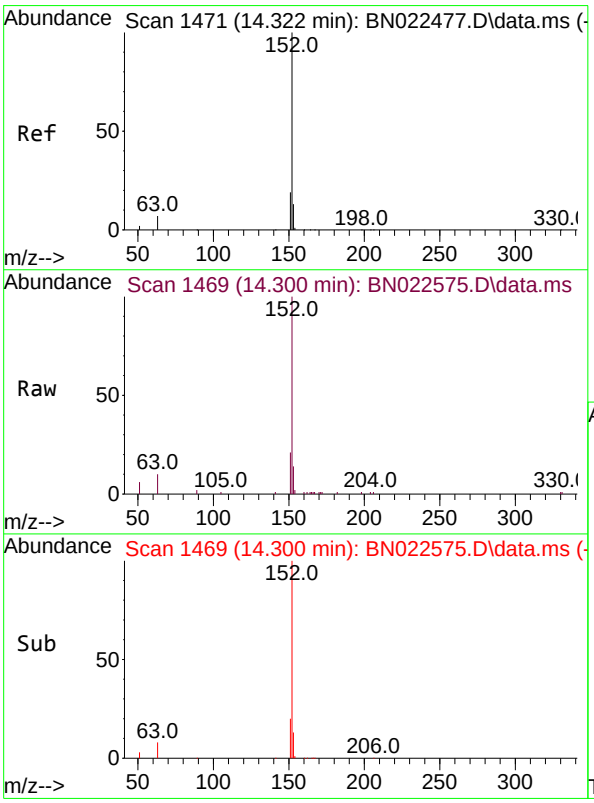
#15
2-Fluorobiphenyl
Concen: 0.390 ng
RT: 13.199 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:172 Resp: 7042

Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.9	41.9
170	25.2	19.2	28.8

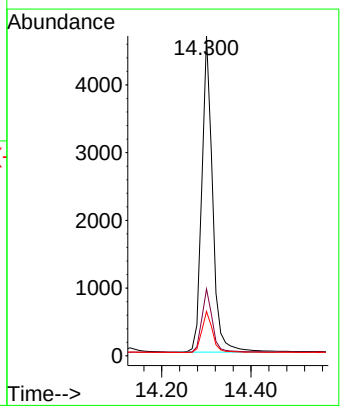


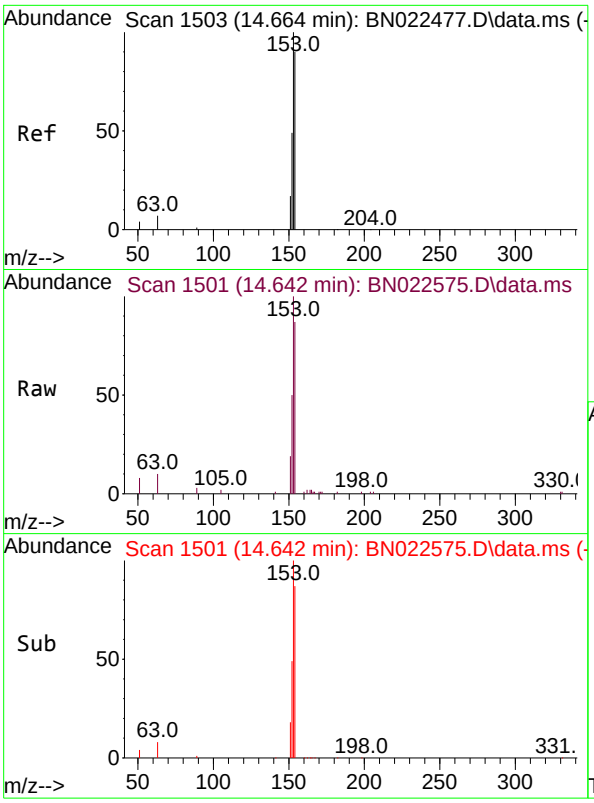


#16
Acenaphthylene
Concen: 0.355 ng
RT: 14.300 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:152 Resp: 7815

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.0	10.3	15.5





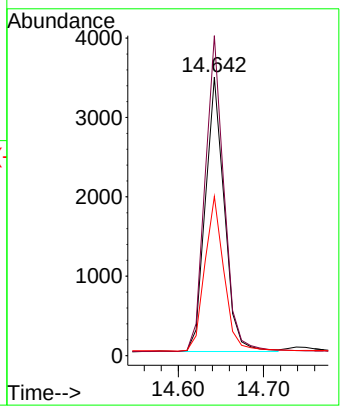
#17
Acenaphthene
Concen: 0.378 ng
RT: 14.642 min Scan# 1

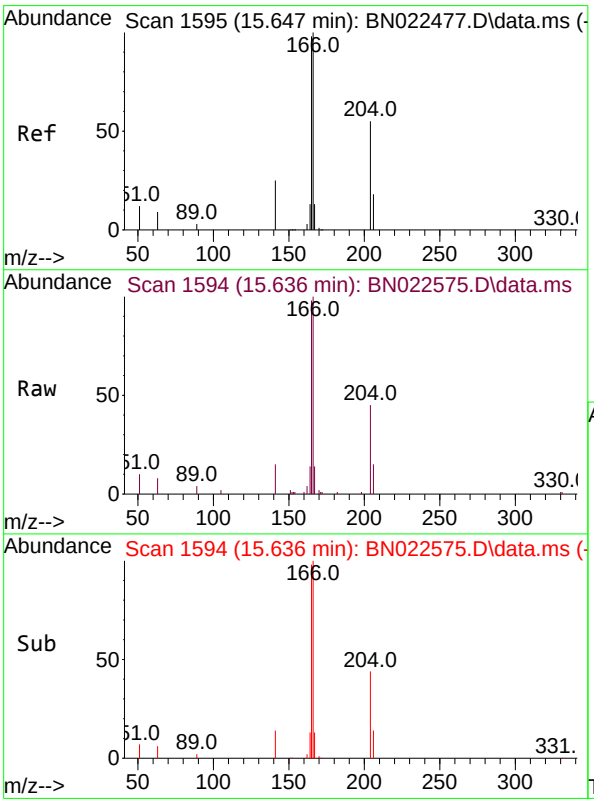
Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:154 Resp: 5359

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.8	137.8
152	57.2	45.7	68.5

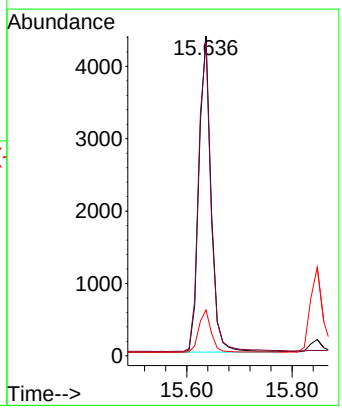


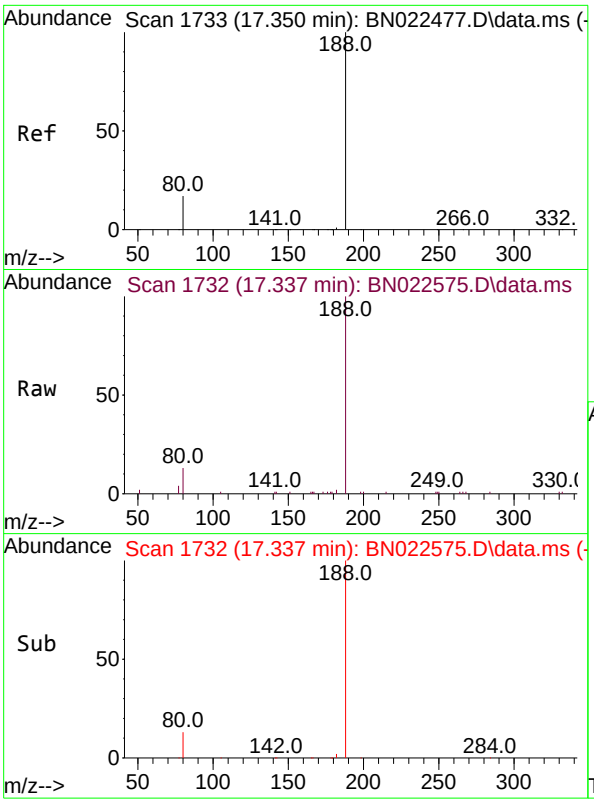


#18
Fluorene
Concen: 0.369 ng
RT: 15.636 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:166 Resp: 7344

Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.7	118.1
167	13.7	10.2	15.2



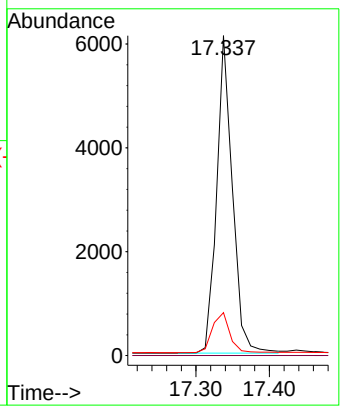


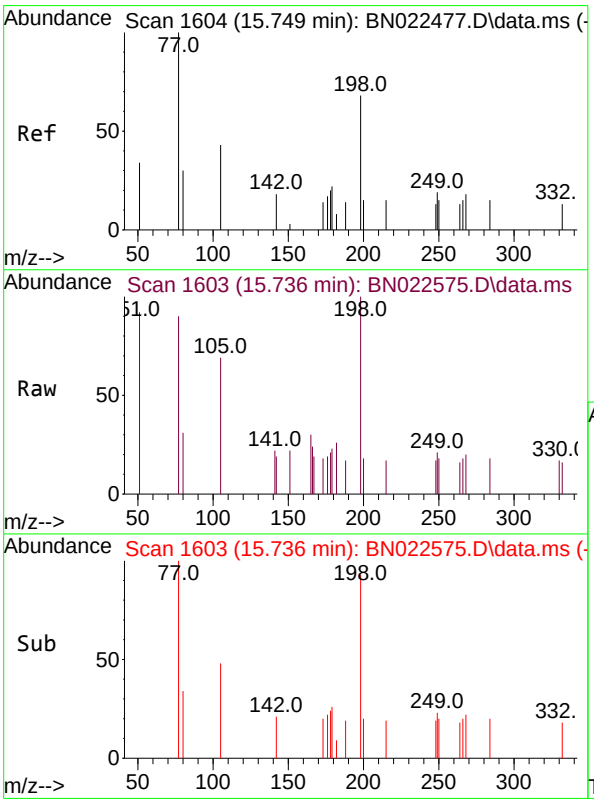
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.337 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:188 Resp: 9171

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	14.6	21.8#

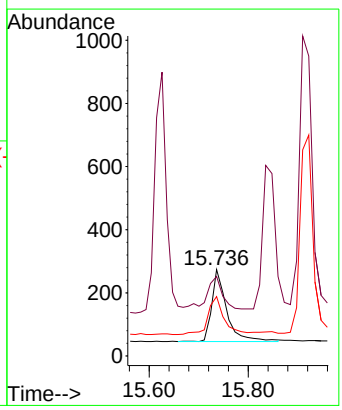


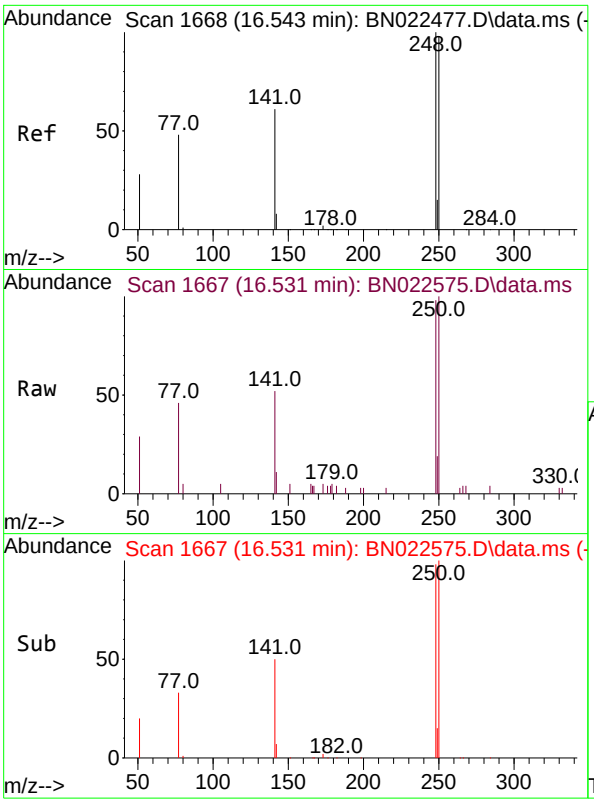


#20
4,6-Dinitro-2-methylphenol
Concen: 0.429 ng
RT: 15.736 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:198 Resp: 458

Ion	Ratio	Lower	Upper
198	100		
51	92.0	83.8	125.8
105	68.6	71.4	107.2#



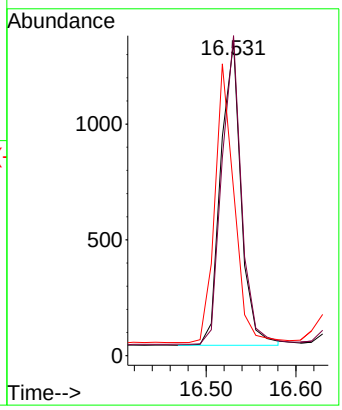


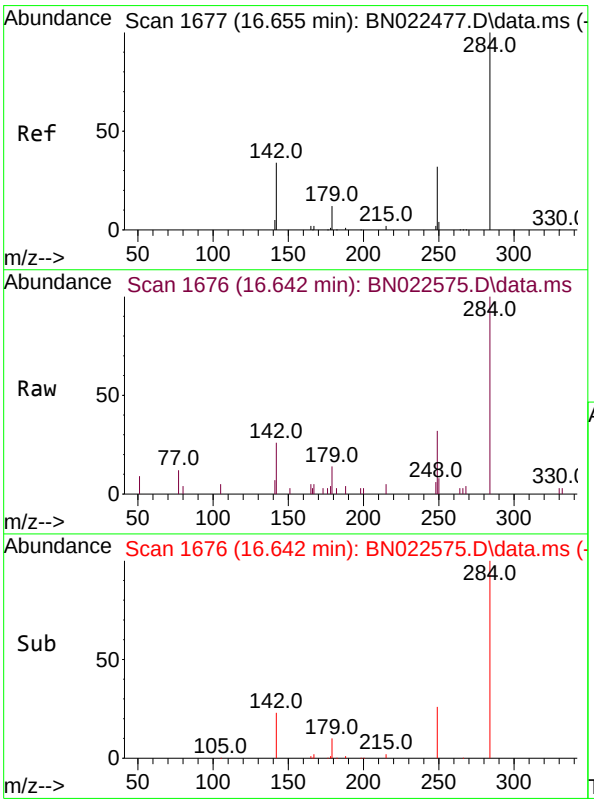
#21
4-Bromophenyl-phenylether
Concen: 0.364 ng
RT: 16.531 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:248 Resp: 2060

Ion	Ratio	Lower	Upper
248	100		
250	102.1	78.6	117.8
141	53.1	50.8	76.2

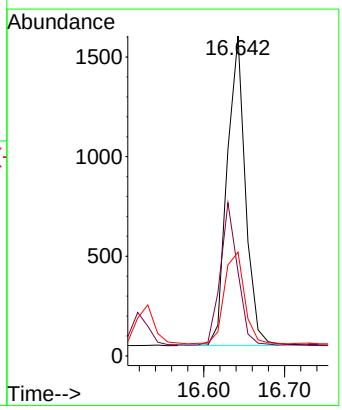


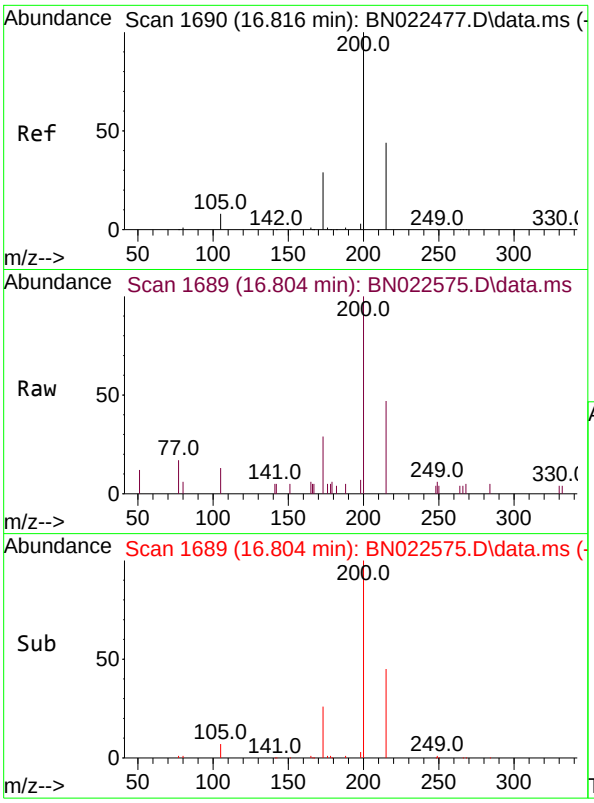


#22
Hexachlorobenzene
Concen: 0.377 ng
RT: 16.642 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:284 Resp: 2437

Ion	Ratio	Lower	Upper
284	100		
142	43.8	32.4	48.6
249	32.8	24.8	37.2



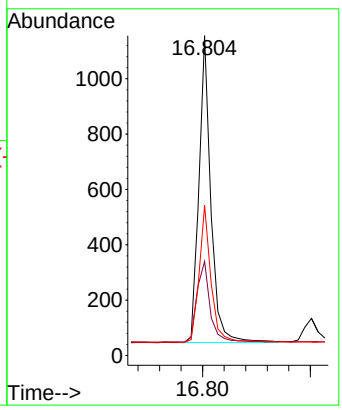


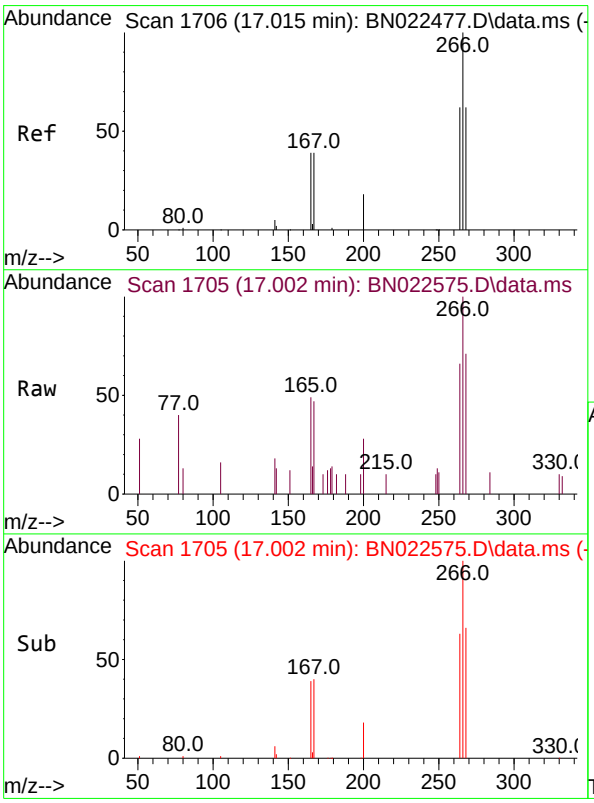
#23
Atrazine
Concen: 0.333 ng
RT: 16.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:200 Resp: 1699

Ion	Ratio	Lower	Upper
200	100		
173	29.4	25.2	37.8
215	47.0	36.6	55.0

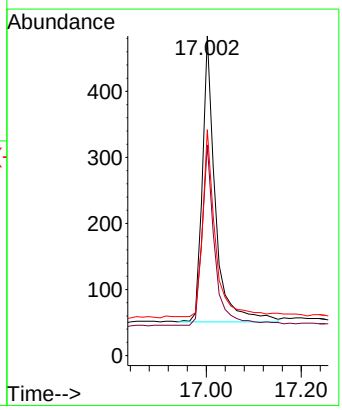


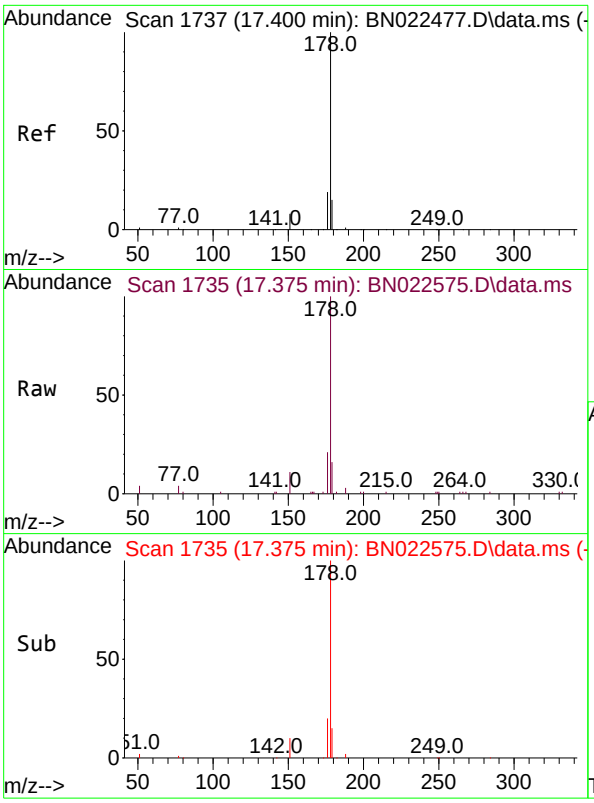


#24
Pentachlorophenol
Concen: 0.416 ng
RT: 17.002 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:266 Resp: 819

Ion	Ratio	Lower	Upper
266	100		
264	61.2	50.6	75.8
268	63.2	54.1	81.1



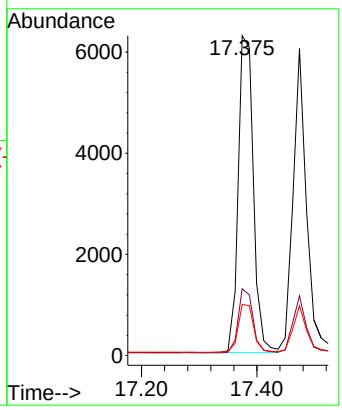


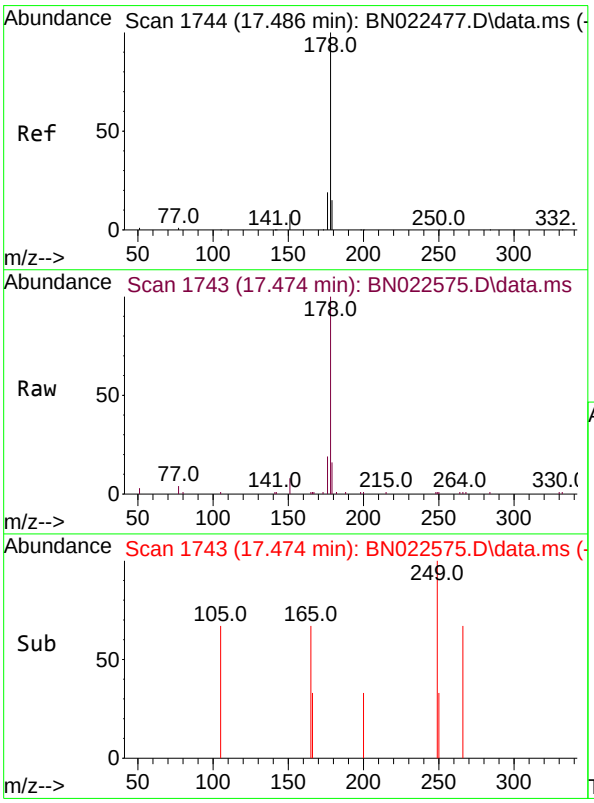
#25
Phenanthrene
Concen: 0.373 ng
RT: 17.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:178 Resp: 11427

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.4	12.2	18.4

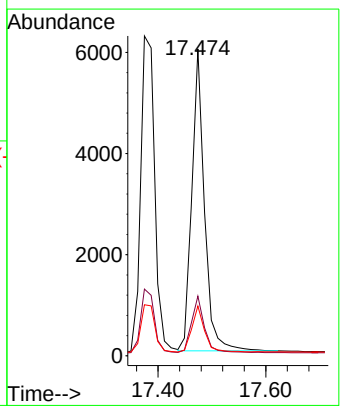


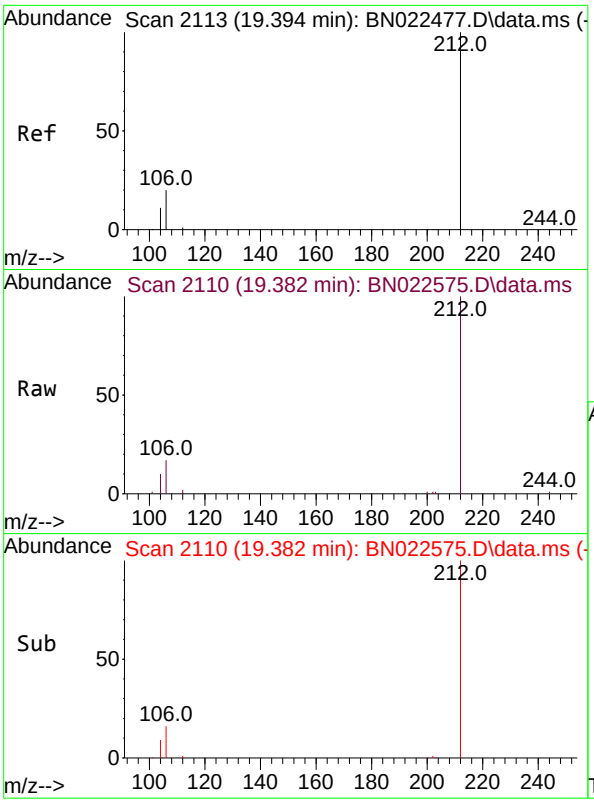


#26
Anthracene
Concen: 0.360 ng
RT: 17.474 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:178 Resp: 9700

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.1	12.2	18.2



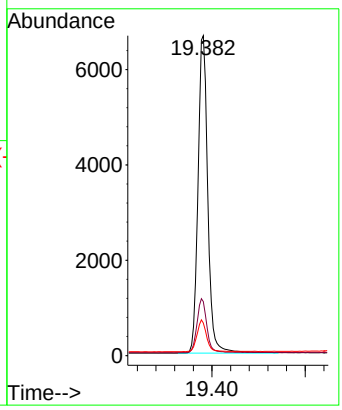


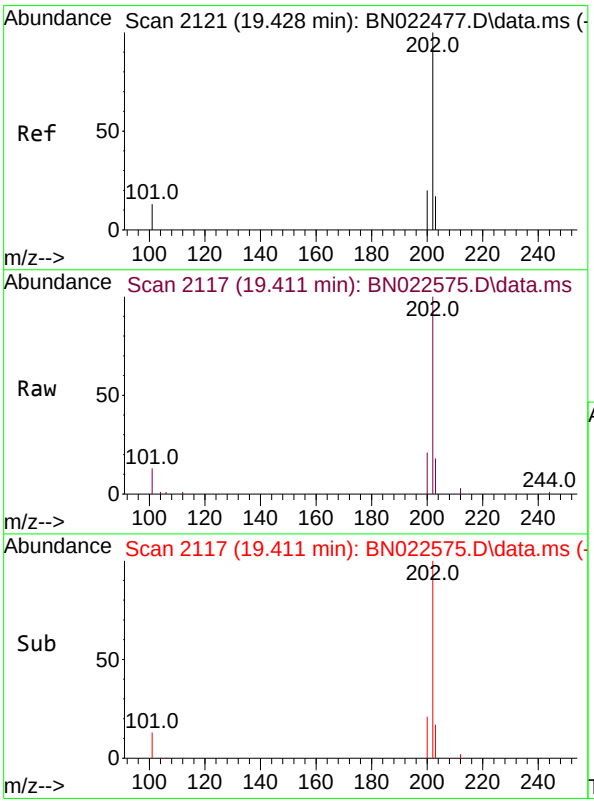
#27
Fluoranthene-d10
Concen: 0.387 ng
RT: 19.382 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:212 Resp: 9706

Ion	Ratio	Lower	Upper
212	100		
106	17.2	15.2	22.8
104	9.8	8.6	12.8

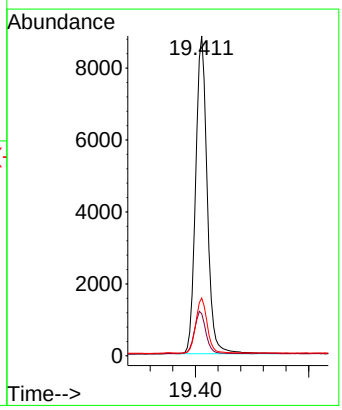


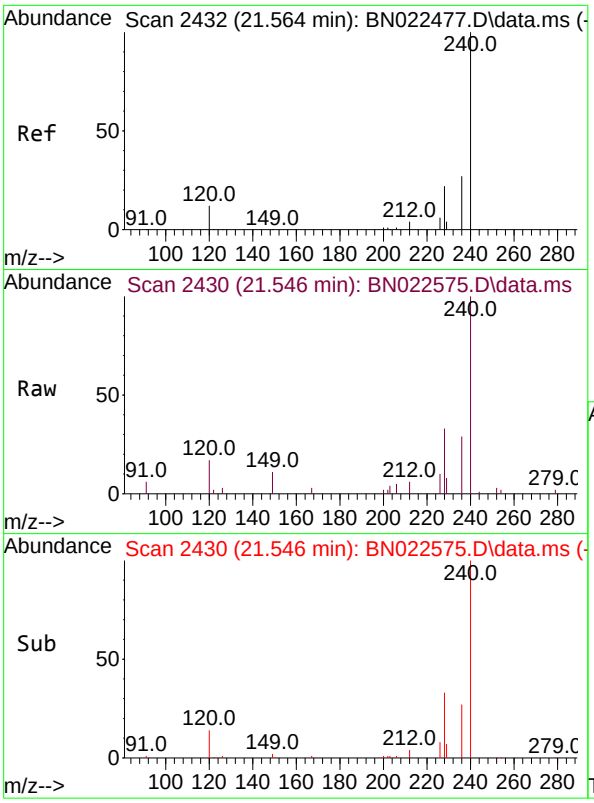


#28
Fluoranthene
Concen: 0.377 ng
RT: 19.411 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:202 Resp: 12441

Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.2	16.8
203	17.0	13.6	20.4



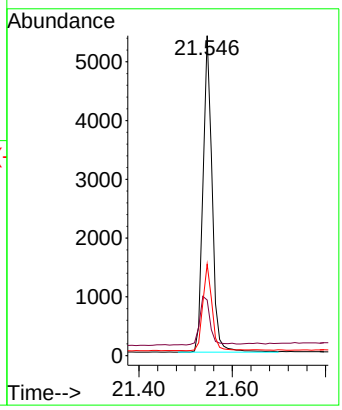


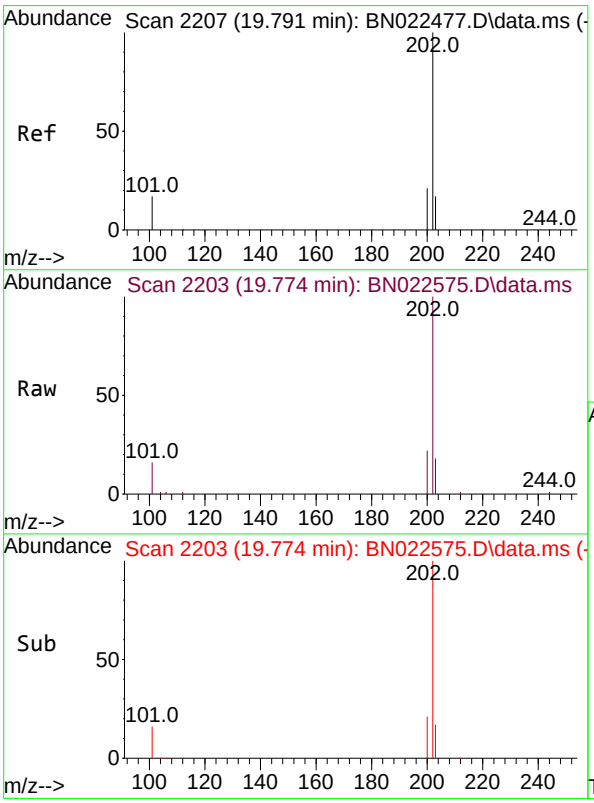
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.546 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:240 Resp: 7255

Ion	Ratio	Lower	Upper
240	100		
120	17.4	12.4	18.6
236	28.6	22.7	34.1

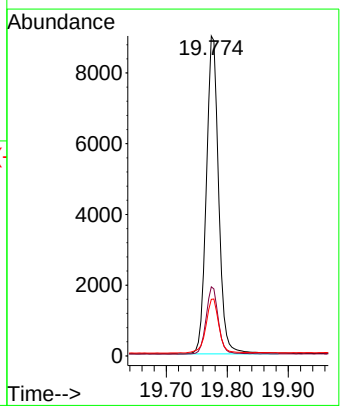


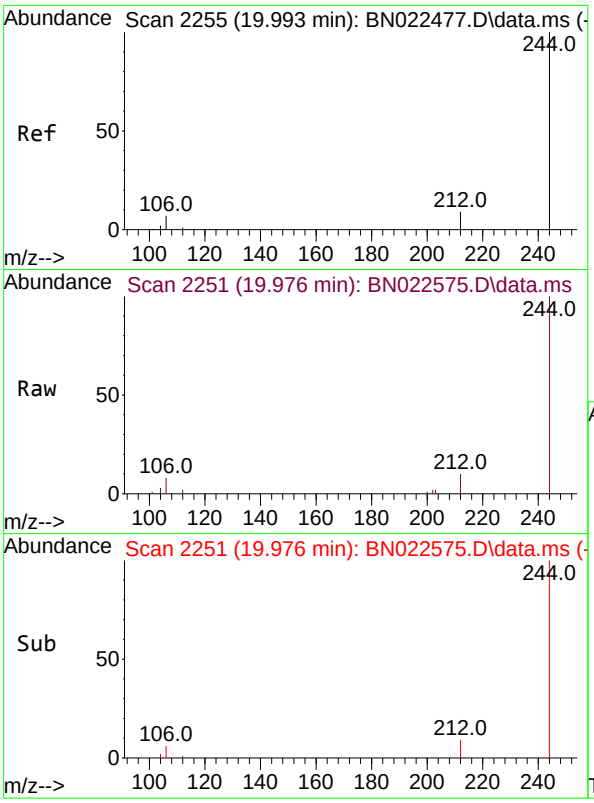


#30
Pyrene
Concen: 0.400 ng
RT: 19.774 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:202 Resp: 12536

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.8	14.3	21.5



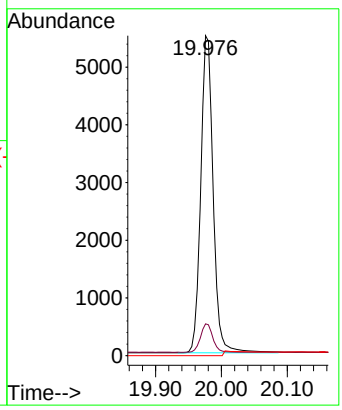


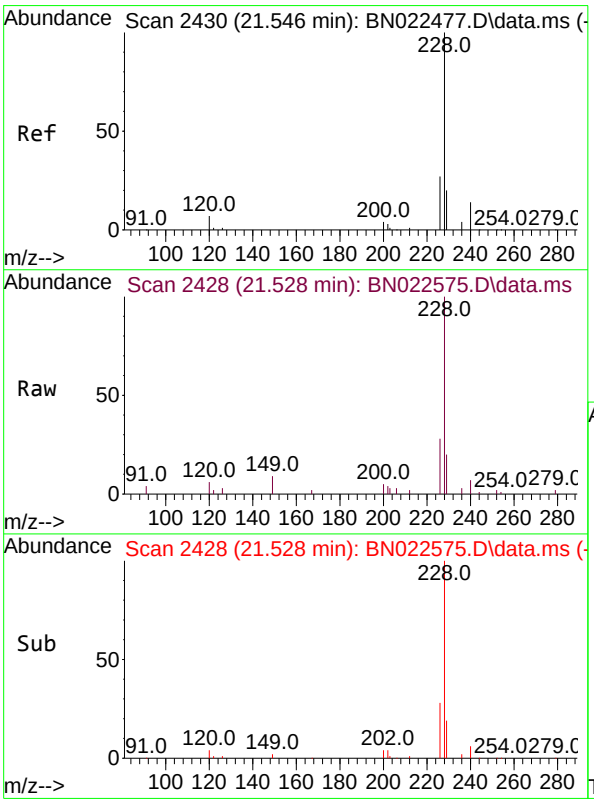
#31
Terphenyl-d14
Concen: 0.437 ng
RT: 19.976 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:244 Resp: 9873

Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.8	11.8
122	0.0	0.0	0.0

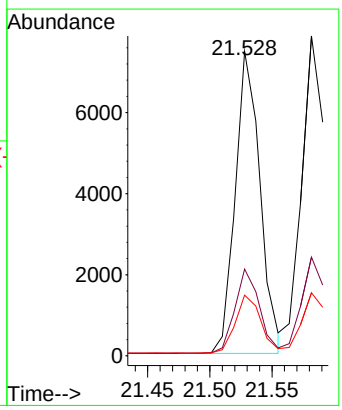


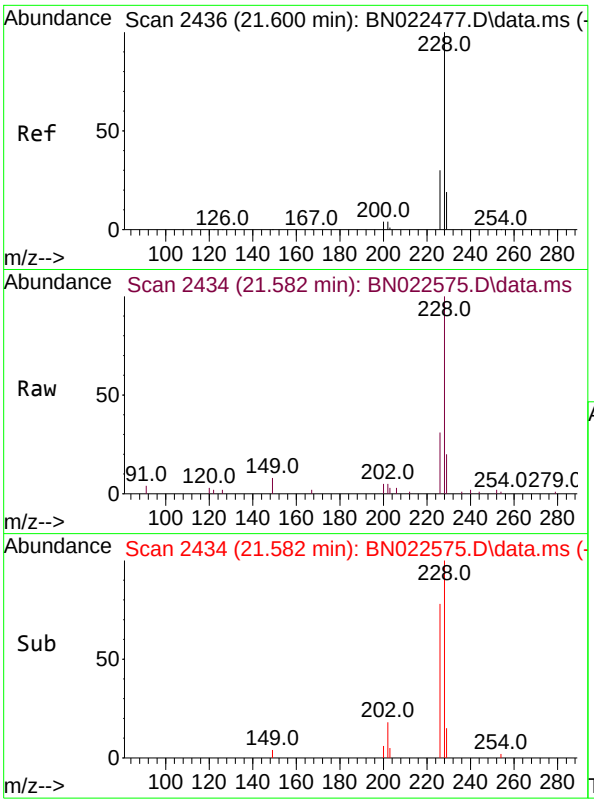


#32
Benzo(a)anthracene
Concen: 0.354 ng
RT: 21.528 min Scan# 2428
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:228 Resp: 10322

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	19.9	16.4	24.6



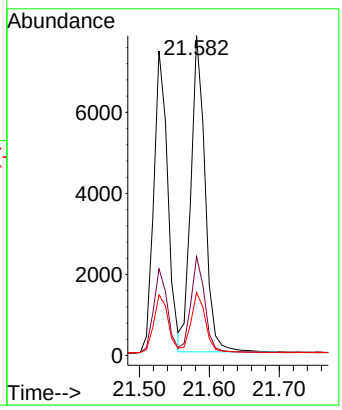


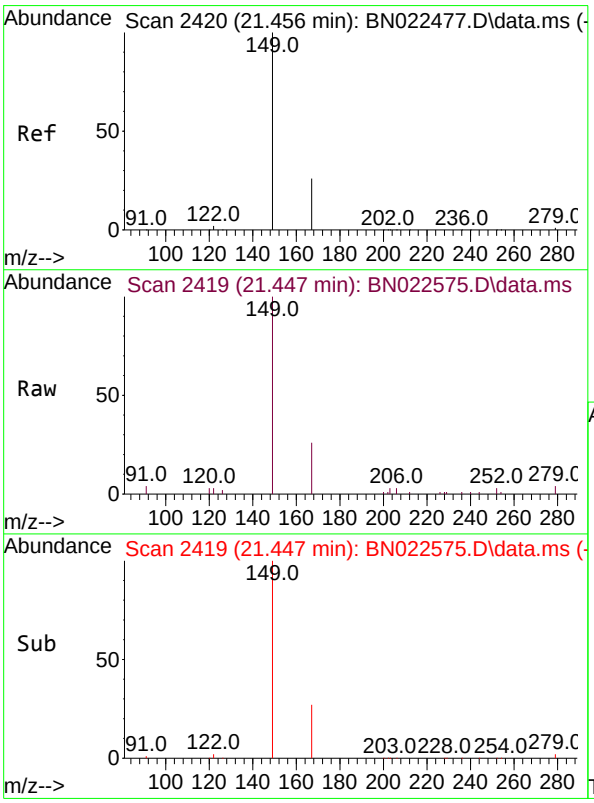
#33
Chrysene
Concen: 0.378 ng
RT: 21.582 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:228 Resp: 10923

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	19.7	15.9	23.9

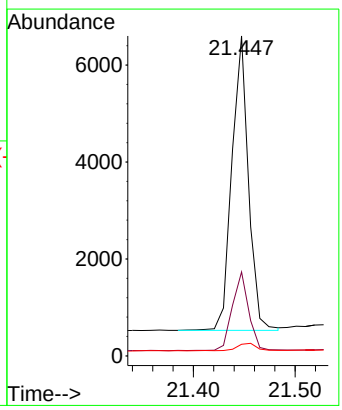


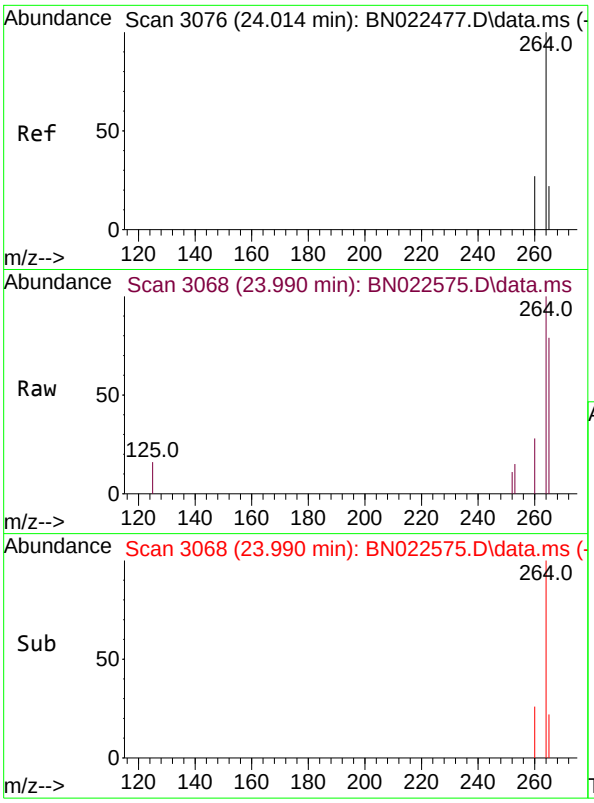


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.281 ng
RT: 21.447 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:149 Resp: 6904

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.3	31.9
279	3.1	2.7	4.1



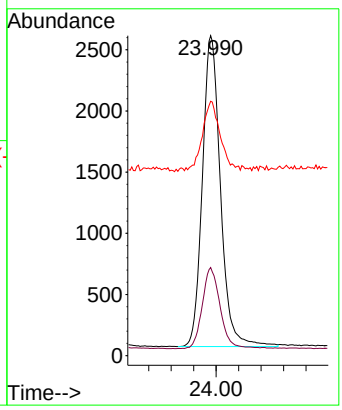


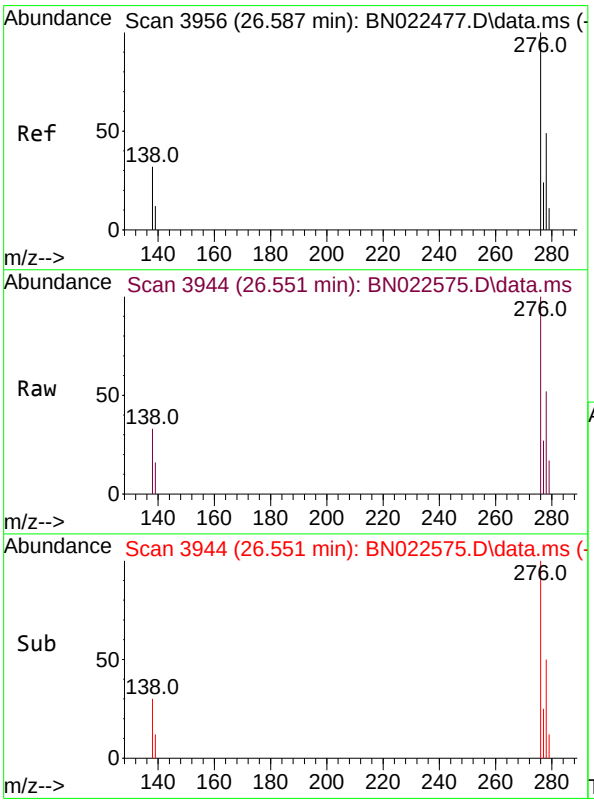
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.990 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:264 Resp: 5678

Ion	Ratio	Lower	Upper
264	100		
260	27.5	22.4	33.6
265	79.5	44.4	66.6#

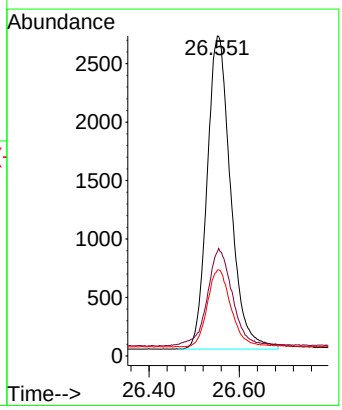


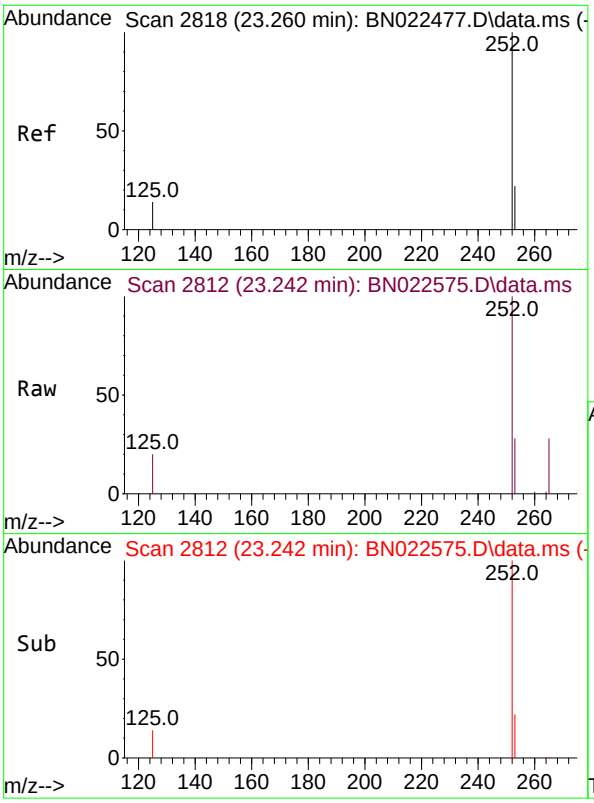


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.354 ng
RT: 26.551 min Scan# 3944
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:276 Resp: 9690

Ion	Ratio	Lower	Upper
276	100		
138	31.5	27.5	41.3
277	24.7	19.8	29.6



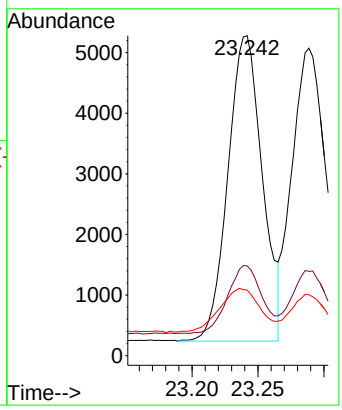


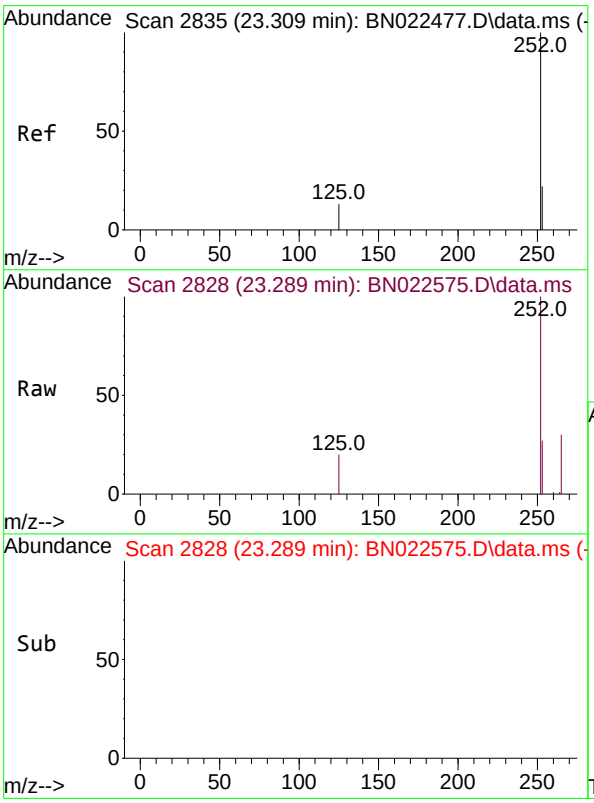
#37
Benzo(b)fluoranthene
Concen: 0.410 ng
RT: 23.242 min Scan# 28
Delta R.T. 0.003 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:252 Resp: 9152

Ion	Ratio	Lower	Upper
252	100		
253	28.0	21.1	31.7
125	20.5	16.8	25.2

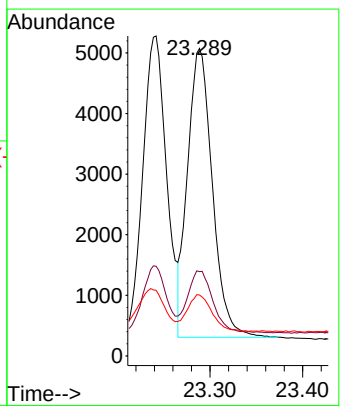


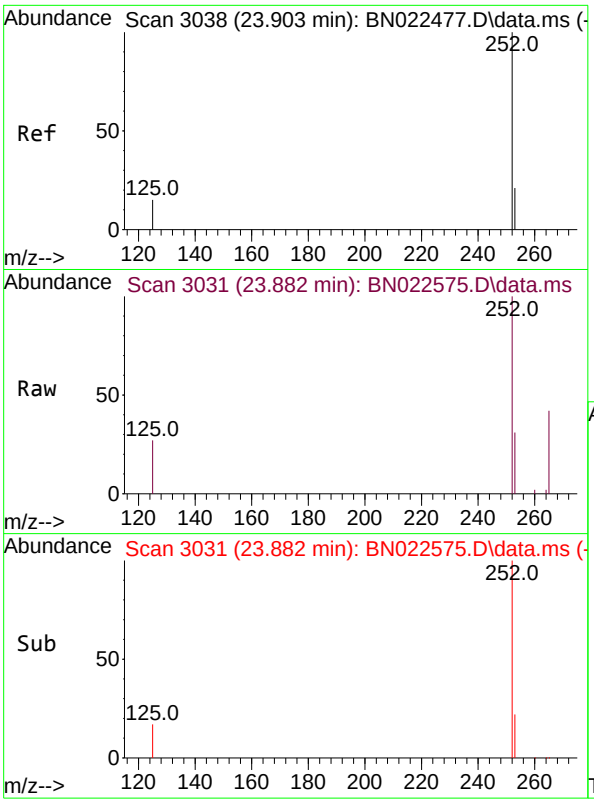


#38
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 23.289 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:252 Resp: 8862

Ion	Ratio	Lower	Upper
252	100		
253	27.4	20.9	31.3
125	19.8	16.1	24.1



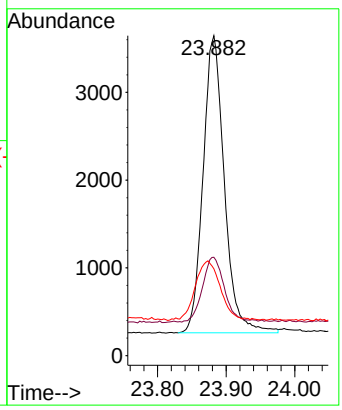


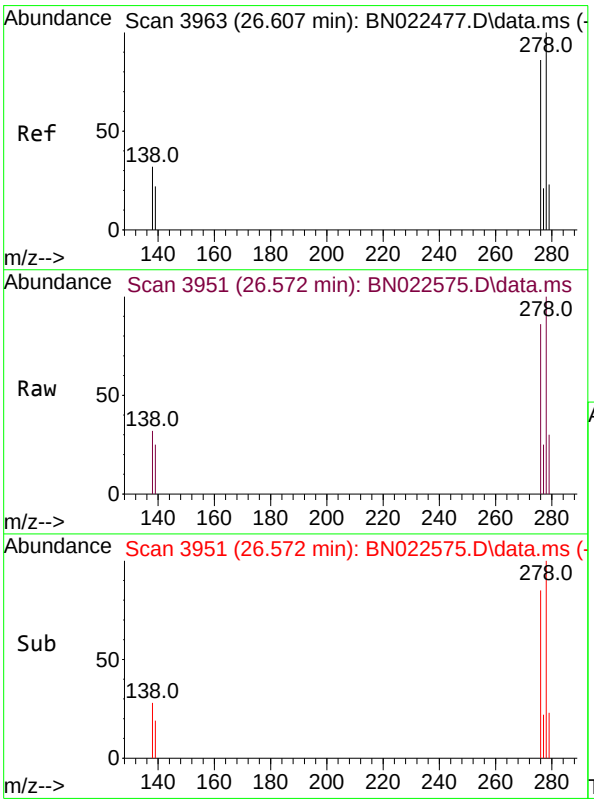
#39
Benzo(a)pyrene
Concen: 0.382 ng
RT: 23.882 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:252 Resp: 7298

Ion	Ratio	Lower	Upper
252	100		
253	30.7	22.0	33.0
125	27.1	19.8	29.8

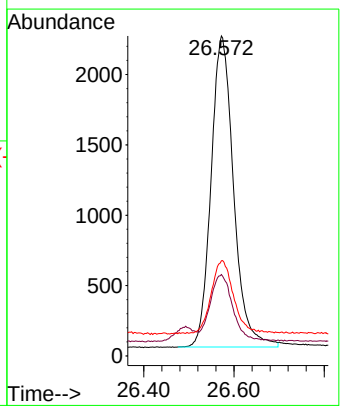


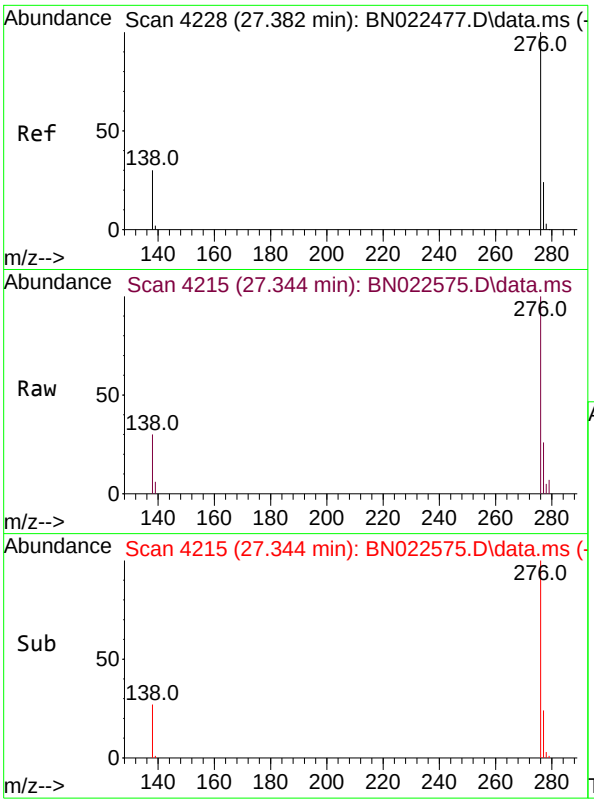


#40
Dibenzo(a,h)anthracene
Concen: 0.353 ng
RT: 26.572 min Scan# 3951
Delta R.T. 0.003 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Tgt Ion:278 Resp: 7681

Ion	Ratio	Lower	Upper
278	100		
139	25.5	21.8	32.6
279	29.7	21.5	32.3





#41
Benzo(g,h,i)perylene
Concen: 0.351 ng
RT: 27.344 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN022575.D
Acq: 09 Nov 2022 12:19

Instrument :
BNA_N
ClientSampleId :
PB148856BSD

Tgt Ion:276 Resp: 8114

Ion	Ratio	Lower	Upper
276	100		
277	26.3	21.0	31.4
138	30.1	26.0	39.0